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Deflation of national security purchases was accomplished with a view to maintaining consistency with the relevant constant-price estimates of both Kuznets and Commerce. The current-dollar estimates were first broken down into four components: government purchases of durable war goods, as estimated by Kuznets; pay of the armed forces (including value of subsistence and clothing provision), estimated as described in Appendix K; pay of civilian employees of the Defense Department (formerly War and Navy Departments), estimated as the product of the number employed¹⁵ and the average annual compensation of federal civilian general-government employees, as described in Appendix K; and an "all other" residual, which includes nondurable munitions. The fact that the "all other" estimates are low and relatively stable in peacetime years gives some support to the validity of the total security estimates and their breakdown, although the detail is used primarily for deflation purposes.

The constant-dollar estimates for the first three components were derived as described in the sources cited for the current value series. Thus, we use the Kuznets figures for munitions and war construction in real terms; and the base-period pay of the armed forces and of civilian employees of the Defense Department is extrapolated by employment, consistent with the Commerce estimates of real government purchases. The deflator for all other purchases is the same general price index used for total "all other" federal-government purchases, as described below, through 1940. From 1941 to date, however, with a much more substantial volume of other purchases due to the increased amount of nondurable munitions procurement, we have combined the "all other" price deflator with the price deflator used by the Commerce Department for munitions. Kuznets also used the Commerce munitions deflator for durable munitions outlays since 1939. But since the deflator is composed of price series for both durable and nondurable munitions, by weighting it into the deflator for residual purchases including nondurable munitions we obtain constant-dollar totals for the broader category of munitions plus other war purchases that are similar to those contained in the Commerce figures.

Capital consumption and net product. The recent estimates by Kuznets of capital consumption and net national product in 1929 dollars, adjusted to eliminate his allowance for real depreciation on munitions, are shown in Table A-I. The adjustment was made for the sake of consistency with our input estimates since we do not include durable munitions as part of the stock and input of productive capital.

Kuznets' capital consumption figures were generally derived from his estimates of fixed capital formation in constant dollars, depreciated in

¹⁵ Solomon Fabricant, *The Trend of Government Activity in the United States since 1900*, New York (NBER), 1952, Tables B-6 and B-7.

The following sections describe the methods used to estimate the reconciliation items in current and 1929 dollars prior to 1929. Table A-IIa contains estimates in 1929 dollars for the entire period through 1957, since the Commerce estimates on a 1929 price base are not published elsewhere. In presenting these figures we accept the conversion by Kuznets of the Commerce estimates from a 1947 to a 1929 price base, although it should be noted that the conversion was done on the basis of broad product groupings rather than in the full product detail in which the Commerce current value estimates were made. Table A-IIb contains annual estimates in current values for 1929 and earlier years only, as the estimates for later years are readily available from Department of Commerce publications—although estimates for selected key years of more recent periods are provided as a further guide to those who wish to make their own reconciliation between the Kuznets and Commerce series.

Private purchases of goods and services. Two adjustments are necessary to go from Kuznets' "flow of goods to consumers" to the Commerce "consumption expenditures" estimates. The first is the deduction of government direct services to consumers, which Kuznets roughly approximated in current values by the use of estimates of personal tax and nontax payments for the years through 1940; for 1941 and subsequent years, because of the effect of war and national security requirements on personal taxes, he applied the 1929-40 ratio (0.036) of personal taxes to consumption expenditures (excluding unpaid financial services) to these expenditures in the later years. The price index applied is the implicit deflator for total consumer expenditures for services.

For 1929 to 1890, we have estimated personal tax and nontax payments independently since they are not shown explicitly in Kuznets' series. Federal income tax liabilities of individuals for the calendar years 1913-29 were estimated from the *Annual Report of the Commissioner of Internal Revenue*. Fiscal-year totals for the estate and gift taxes were taken from the *Annual Report of the Secretary of the Treasury* and were averaged to obtain calendar-year receipts. The sum of these two series was used to extrapolate back the 1929 Commerce estimate of federal personal tax payments. The relatively small amount of nontax payments was extrapolated by civilian population figures.

State personal tax receipts back to 1915 were estimated annually on the basis of data collected by the Governments Division of the Bureau of the Census. Certain categories were split between personal taxes and indirect business taxes on the same basis as that used by the National Income Division. Census figures were also available for 1890, 1902, and 1913. Estimates for intervening years were obtained by straight-line interpolation, and the entire series was adjusted to the Commerce level in 1929. Personal tax receipts of local government units were extrapolated by property tax

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VARIANT FORMS OF THE COMMERCE ESTIMATES

Table A-III contains several variant forms of real product on the Commerce basis. Only one of these, the gross "domestic product," represents a competing aggregate concept, covering as it does the product of factors located in the national geographical area as contrasted with the "national product" of factor services provided by residents of the area. The net national product estimates are designed to portray final product after allowance for capital consumption as defined by Commerce. The estimates of gross private domestic product represent a different level of aggregation with respect to industry coverage—the product of government factors is excluded in order to give a better basis for productivity comparisons in view of the Commerce method of estimating real government product. This variant is shown on a domestic basis, gross of capital consumption, for greater comparability with the output of the various private-industry groups.

Net national product. The Commerce estimates of capital consumption have a somewhat narrower coverage than those of Kuznets described earlier. They do not include depletion "since the value of the corresponding discoveries of natural resources is not an element of capital formation or profits."²⁶ Neither do they include depreciation on publicly owned capital goods, presumably because this procedure is not followed in public accounting.

In order to obtain estimates of capital consumption in constant dollars on the Commerce basis, we have subtracted the depletion and public depreciation components from the Kuznets totals in 1929 dollars. This was done for the years after 1929 as well as for prior years, since Commerce has not yet published estimates of capital consumption in constant dollars. The resulting aggregates comprise depreciation on private stocks of fixed capital (including owner-occupied residences), capital outlays charged to current expense, and accidental damage to fixed capital. While having the same coverage as the Commerce estimates, the constant-dollar aggregates do not necessarily embody the same accounting conventions pertaining to lengths of life and methods of charging depreciation as those underlying the Commerce estimates unadjusted for price changes. The nonfarm depreciation portions of the latter estimates are in terms of original cost, as contrasted with the Kuznets estimates in current, replacement values. This does not concern us in general, since our focus is on physical-volume series; it does explain, however, why the estimate of capital consumption for 1929 in Table A-III deviates somewhat from the one published by Commerce.

²⁶ *National Income Supplement, 1954*, p. 42.

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War II, the volume of part-time employment increased. A correct year-to-year adjustment to a full-time basis would have yielded a smaller increase in persons engaged and a larger increase in average hours worked during these years. But this bias is partially compensated for in the manhour estimates by the difference in the employment estimates.

The composite-industry employment estimates average 4.3 per cent higher than the MRLF estimates because of the lower age cutoff in the latter, the fact that proprietors and unpaid family workers have generally not been reduced to full-time equivalents in the former, and other factors mentioned earlier. The discrepancy more than offsets the opposite differential in average hours; so the aggregate of industry manhours is larger than the MRLF total. This is to be expected in view of the different concepts underlying the two measures.

A more important consideration is the relative movements of the two manhours series. Over the period 1940-53 as a whole, the MRLF total increased by 21.6 per cent compared with an 18.0 per cent increase in the industry aggregate. Hence, our broad conclusions as to trends in productivity would not be significantly affected by the use of one series rather than the other. Year-to-year changes show considerably less correspondence; this underscores the frequent warning not to place too much stress on the precise magnitude of annual changes. In general, because of the small sample on which the MRLF is based and the greater possibility of household respondent errors, the industry composite should be the more reliable series. Certainly, the industry employment estimates, based largely on Social Security and other comprehensive government reporting systems, are more accurate. The average hours series are less reliable on both bases, but the industry-composite average hours series shows closer agreement with the MRLF averages than do the employment estimates.

LABOR INPUT (WEIGHTED MANHOURS)

In accordance with our basic concepts, manhours worked in the various industry groups or segments were weighted by average hourly earnings in order to obtain aggregate measures of labor input. These indexes, shown in the productivity summary tables, are used in direct comparisons with output and in comparisons in which they are combined with capital input to form measures of total factor input. Since interest also attaches to employment and manhours (unweighted) in relation to output, these ratios are also generally shown in the summaries.

Sources and methods. As described in later appendixes, manhours were weighted by average hourly employee compensation by industry groupings within the segments of mining, manufacturing, transportation, and communications and public utilities. In order to get a measure of real labor input in the economy as a whole, indexes of manhours or of real labor

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of output to capital by type. This could be done for structures, equipment, and inventories. Estimates of agricultural land also seemed sufficiently reliable for this purpose. In the case of nonfarm site land, the Goldsmith convention of assuming proportionality to the real value of structures was followed; so estimates for this class of land could not be meaningfully related to output. The estimates of capital stock by type are presented in Table A-XVI.

NET FOREIGN ASSETS

Since the national income is defined in terms of the income accruing to the labor or capital supplied by the permanent residents of the nation, it is necessary to include in the national capital the value of assets owned by United States residents and located abroad less the value of foreign-owned assets located in the United States. When the role of productivity in increasing real income per capita is being considered, it is necessary to relate real income to population and to input on a national basis, since the real income produced by net asset holdings in foreign countries may be a significant factor in the plane of living of the nation's residents. However, for reasons developed earlier, it is desirable for some purposes to exclude net income from abroad from national income estimates and, correspondingly, to exclude net foreign assets from capital estimates. The income and capital tables have therefore been set up in such a way that productivity comparisons can be made on a domestic as well as on a national basis.

The capital items involved in the computation of net holdings of foreign assets comprise not only direct investments in real productive facilities, but also financial claims. This is in contrast to our treatment of domestic capital, whereby we include only real items, and not the claims thereto, in order to avoid double counting. Underlying financial holdings abroad, however, are real income-producing assets that are not otherwise counted, whereas financial resources of foreigners in this country are offsets against the value of real capital domestically located, since part of the income must go to the foreign holders. For this reason, it was not feasible to break down net foreign assets by type of real capital, as is done in Table A-XVI for domestic capital.

The estimates used are those prepared by Goldsmith as published through 1945, and as revised and extended from 1946, benchmarked on the Treasury Department *Census of Foreign-Owned Assets in the United States* (1945) and *Census of American-Owned Assets in Foreign Countries* (1947). Goldsmith's current value figures from 1929 forward are based on unpublished estimates prepared by Robert Sammons and extrapolated by published and unpublished estimates of the Department of Commerce going back to the 1920's and by capital movement statistics collected

APPENDIX A

total movement of the series over the long period and each subperiod. One exception is the decade 1909-19, in which contemporary weights yield about a 4 per cent greater increase in real product and productivity than 1929 weights. But that larger increase merely serves to put the rate of productivity change in 1909-19 in line with the growth rate in the two earlier decades.

RELIABILITY OF THE PRODUCTIVITY RATIOS

In appraising the reliability of the productivity ratios, one must keep in mind the various limitations attaching to both the output and input measures. It is not true, however, that the productivity ratios are no better than their component parts. If errors in the numerator and the denominator are in an opposite direction, the effect on the ratios is magnified. However, it is likely that errors in output and input measures are in the same direction and therefore offsetting. Many of the output and input estimates for the economy and its industrial divisions are based on the same basic source materials. Thus, varying degrees of coverage, and response, and certain other reporting errors would tend to affect both outputs and inputs similarly. The very fact that the productivity series, whether based on real-product or on industry aggregates, tend to exhibit rather regular secular movements and to yield significant analytical results, is a pragmatic indication of the broad reliability of the estimates. There is, however, no direct means of measuring the probable margins of error of the estimates (see Chapter 2).

THE PRODUCTIVITY SUMMARY TABLES

Tables A-XIX through A-XXV, following this section, give index numbers of the partial and total factor productivity ratios and the underlying variables for the national economy, using the three chief concepts of national product discussed earlier; the private domestic economy; the private domestic nonfarm economy; the sector for which output can be derived as a weighted aggregate of industry output indexes; and the somewhat smaller sector in which industry capital as well as output and labor input indexes are available.

Of the three national economy tables (A-XIX, XX, and XXI), only the one based on the national security version of the Kuznets estimates is given annually, since this is the preferred concept and underlies the analysis of Chapter 4. The other two tables are for key years; and the input index numbers are not repeated since these are the same throughout—the only variation among the three tables is in the concept of national product. National product is shown net of capital consumption allowances (without allowance for depreciation of munitions, however), since this is appropriate for the purposes for which the national economy series

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are used—temporal comparisons of material well-being. Factors permitting adjustment of net product and derived productivity indexes to a basis gross of capital consumption are provided for those who are interested in this form of data. Likewise, in Table XXI, factors are provided that permit conversion of the national economy measures to a domestic basis.

Table XXII, giving estimates for the private domestic economy, Commerce concept, is also on an annual basis since this is the series used for detailed examination of temporal productivity changes because of its presumed greater accuracy. The product estimates in this sector are gross of capital consumption, partly because annual changes in gross measures are more meaningful than annual changes in net measures, and partly because they are used for comparison with the industry estimates, which are likewise gross. The farm and nonfarm components of the private domestic economy may be found in Tables B-I and A-XXIII.

The two industry aggregate summaries (Tables A-XXIV and A-XXV) are for key years only, since they are used chiefly as broad confirmations of the general movements revealed by the aggregate private domestic economy measures.

One further note, which will refer to all index numbers in this volume, is necessary. Due to the use of changing weights for different periods in a time series and the method of linking the several segments into a continuous series, indexes for totals may not be averages of the linked component indexes. For example, the index number for total gas utilities output in 1909 relative to 1929 is 37.5, which lies outside the range of the index numbers of 38.0 and 38.1 for manufactured and natural gas outputs, respectively. For another example, the index number of total factor productivity in the metal mining group in 1953 is higher than the index numbers of the two partial productivity ratios (see Table C-III).

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TABLE A-III (continued)

1910	56,499	5,473	51,026	-107	56,606	2,285	54,321	9,411
1911	58,312	5,681	52,631	-128	58,440	2,365	56,075	8,880
1912	61,058	5,879	55,179	-120	61,178	2,454	58,724	10,498
1913	63,475	6,092	57,383	-118	63,593	2,523	61,070	9,133
1914	58,636	6,276	52,360	-88	58,724	2,642	56,082	10,196
1915	60,424	6,413	54,011	99	60,325	2,737	57,588	10,912
1916	68,870	6,577	62,293	180	68,690	2,802	65,888	9,595
1917	67,264	6,786	60,478	273	66,991	3,710	63,281	10,586
1918	73,361	6,958	66,403	328	73,033	7,056	65,977	9,612
1919	74,158	7,463	66,695	539	73,619	4,960	68,659	9,674
1920	73,313	7,380	65,933	382	72,931	3,655	69,276	9,542
1921	71,583	6,950	64,633	324	71,259	3,580	67,679	8,981
1922	75,788	7,365	68,423	572	75,216	3,537	71,679	9,595
1923	85,819	7,565	78,254	699	85,120	3,589	81,531	10,246
1924	88,361	7,661	80,700	620	87,741	3,739	84,002	9,718
1925	90,529	7,959	82,570	727	89,802	3,888	85,914	10,433
1926	96,405	8,546	87,859	735	95,670	3,976	91,694	10,328
1927	97,337	8,569	88,768	743	96,594	4,114	92,480	10,647
1928	98,503	8,912	89,591	802	97,701	4,198	93,503	10,406
1929	104,436	9,232	95,204	810	103,626	4,335	99,291	10,729

(continued)

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TABLE A-III (continued)

	Gross National Product (1)	Capital Consumption Allowances (2)	Net National Product (1) - (2) (3)	Net Factor Income from Abroad (4)	Gross Domestic Product (1) - (4) (5)	Government Product (6)	Gross Private Domestic Product (5) - (6) (7)	Addendum: Farm Gross Products (8)
1930	95,130	9,060	86,070	768	94,362	4,554	89,808	9,991
1931	89,454	8,742	80,712	627	88,827	4,630	84,197	11,176
1932	76,403	8,281	68,122	506	75,897	4,536	71,361	10,696
1933	74,178	7,961	66,217	420	73,758	4,988	68,770	10,998
1934	80,781	7,951	72,830	368	80,413	5,900	74,513	9,472
1935	91,435	8,084	83,351	455	90,980	6,315	84,665	10,444
1936	100,907	8,377	92,530	359	100,548	7,517	93,031	9,753
1937	109,112	8,623	100,489	335	108,777	6,966	101,811	10,927
1938	103,232	8,638	94,594	457	102,775	7,611	95,164	11,421
1939	110,994	8,774	102,220	373	110,621	7,639	102,982	11,452
1940	121,008	9,010	111,998	420	120,588	7,909	112,679	11,366
1941	138,698	9,883	128,815	398	138,300	9,574	128,726	12,311
1942	154,656	11,038	143,618	353	154,303	13,671	140,632	13,198
1943	170,206	11,628	158,578	326	169,880	21,015	148,865	12,591
1944	183,584	12,583	171,001	364	183,220	24,032	159,188	12,718

(continued)

TABLE A-III (concluded)

1945	180,939	12,829	168,110	309	180,630	23,420	157,210	12,158
1946	165,605	11,373	154,232	449	165,156	12,452	152,704	12,416
1947	164,134	13,114	151,020	601	163,533	9,602	153,931	11,909
1948	173,021	14,436	158,585	702	172,319	9,639	162,680	12,785
1949	170,637	15,316	155,321	696	169,941	10,097	159,844	12,722
1950	187,411	16,053	171,358	812	186,599	10,449	176,150	12,890
1951	199,419	17,253	182,166	921	198,498	12,951	185,547	12,149
1952	205,800	16,709	189,091	858	204,942	13,866	191,076	12,212
1953	213,964	17,635	196,329	856	213,108	13,787	199,321	13,057
1957 ^p	236,002	20,774	215,228	1,338	234,664	13,952	220,712	13,939

^p = preliminary.

^a Farm gross product is equivalent to net farm output of Appendix

B, which is net of intermediary products but gross of capital consumption.

^b Annual average for decade.

APPENDIX A

TABLE
Private Domestic Economy: Comparison of Industry Output
(1929 = 100)

	Farm ^a	Fisheries	Mining	Construc- tion	Manufac- turing	Trade ^b
1869	32.4	44.9	5.1	11.8	7.1	7.2
1879	50.3	54.5	9.8	18.4	10.2	14.3
1889	63.1	54.8	18.7	33.4	18.3	21.5
1899	79.2	59.8	31.3	43.5	27.5	32.6
1909	84.8	66.1	55.3	75.7	43.4	48.5
1919	89.9	76.9	68.7	56.3	61.0	64.6
1929	100.0	100.0	100.0	100.0	100.0	100.0
1937	102.3	120.6	95.7	61.4	103.3	104.2
1948	120.2	137.5	133.3	132.3	184.2	167.3
1953	123.8	143.0	138.4	174.1	243.4	190.2

^a Adjusted to cover agricultural services.

^b Adjusted to cover garages prior to 1929.

^c Adjusted for full coverage.

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A-IV

Aggregate with Real Gross Product, Key Years, 1869-1953
(=100)

Transportation ^c	Communications and Public Utilities ^c	Post Office	Industry Aggregate Excluding Finance and Services ^d	Finance and Services ^e	Industry Aggregate	Real Gross Product ^f
4.0	0.9	2.4	10.3	2.9		8.2
7.9	1.7	5.8	16.7	14.9		16.2
20.2	3.2	11.3	25.9	17.9		23.6
35.7	6.7	19.8	37.1	33.6		36.1
55.8	22.6	42.3	53.5	56.0		54.2
82.2	45.8	71.8	68.1	71.7		69.1
100.0	100.0	100.0	100.0	100.0	100.0	100.0
103.1	115.5	92.0	101.2	89.2	97.8	102.5
211.8	249.5	148.8	172.7	132.0	161.1	163.8
228.9	336.0	174.4	209.7	162.6	196.3	200.7

^d Adjusted to cover forestry and government enterprises other than Post Office.

^e Derived as a residual, 1869-1929; and by deflation of national product originating in sectors, 1929-53.

^f Index of real gross product, employing 1929 constant price weights.

TABLE A-V
Private Economy: Persons Engaged, by Class of Worker, Key Years, 1869-1957

	Proprietors and Unpaid Family Workers ^a		Employees		Persons Engaged (1) + (2)	Proprietors and Family Workers as Proportion of Persons Engaged (5)	Addendum: Full-time Employees as Proportion of Full-time Equivalents (6)
	(1)	(2)	Full-time Equivalent	Full- and Part-time			
1869	4,657	6,874		7,755	11,531	40.4	112.8
1879	6,490	8,608		9,626	15,098	43.0	111.8
1889	8,753	12,142		13,349	20,895	41.9	109.9
1899	10,101	15,767		17,244	25,868	39.0	109.4
1909	11,465	21,924		23,606	33,389	34.3	107.7
1919	11,752	27,238		29,029	38,990	30.1	106.6
1929	12,445	32,391		34,598	44,836	27.8	106.8
1937	12,253	30,924		33,027	43,177	28.4	106.8
1948	12,357	41,786		44,112	54,143	22.8	105.6
1953	11,374	45,706		48,191	57,080	19.9	105.4
1953 ^r	11,824	45,718		48,439	57,542	20.5	106.0
1957 ^p	11,571	47,106		50,143	58,677	19.7	106.4

^p = preliminary.

^r = revised (*U. S. Income and Output, 1958 Supplement, Survey of Current Business*, Dept. of Commerce).

^a For the farm sector, proprietors and family workers are adjusted to full-time equivalents.

TABLE A-VI
National Economy: Persons Engaged, by Major Sector, 1869-1957
(thousands)

	General Government ^a					Private			
	Incl. Military	Civilian	Total	Military	Civilian	Total	Farm	Non-farm ^b	
1869-78 ^c	13,412	13,371	458	41	417	12,954	6,490	6,464	
1879-88 ^c	18,435	18,398	618	37	581	17,817	8,200	9,617	
1889	21,620	21,581	725	39	686	20,895	8,886	12,009	
1890	22,327	22,290	739	37	702	21,588	9,009	12,579	
1891	22,890	22,854	754	36	718	22,136	9,094	13,042	
1892	23,573	23,536	774	37	737	22,799	9,178	13,621	
1893	23,498	23,460	795	38	757	22,703	9,263	13,440	
1894	23,031	22,990	819	41	778	22,212	9,348	12,864	
1895	24,209	24,168	837	41	796	23,372	9,432	13,940	
1896	24,332	24,292	849	40	809	23,483	9,517	13,966	
1897	25,040	24,999	866	41	825	24,174	9,602	14,572	
1898	25,400	25,217	1,028	183	845	24,372	9,687	14,685	
1899	26,861	26,741	993	120	873	25,868	9,771	16,097	
1900	27,295	27,172	1,023	123	900	26,272	9,856	16,416	
1901	28,425	28,309	1,055	116	939	27,370	9,914	17,456	
1902	29,647	29,544	1,071	103	968	28,576	9,972	18,604	
1903	30,525	30,422	1,096	103	993	29,429	10,030	19,399	
1904	30,419	30,312	1,130	107	1,023	29,289	10,089	19,200	
1905	31,814	31,709	1,167	105	1,062	30,647	10,146	20,501	
1906	33,071	32,962	1,213	109	1,104	31,858	10,205	21,653	
1907	33,848	33,742	1,265	106	1,159	32,583	10,263	22,320	
1908	33,086	32,961	1,333	125	1,208	31,753	10,321	21,432	
1909	34,785	34,647	1,396	138	1,258	33,389	10,379	23,010	

(continued)

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TABLE A-VI (continued)
National Economy: Persons Engaged, by Major Sector, 1869-1957
(thousands)

	<i>General Government^a</i>										<i>Private</i>			
	<i>Total</i>					<i>Military</i>					Civilian	Total	Farm	Non-farm ^b
	Incl. Military	Civilian	Total	Military	Civilian	Total	Farm	Total	Farm	Non-farm ^b				
1910	35,708	35,573	1,453	135	1,318						34,255	10,437	23,818	
1911	36,274	36,133	1,506	141	1,365						34,768	10,425	24,343	
1912	37,341	37,192	1,565	149	1,416						35,776	10,440	25,336	
1913	37,896	37,745	1,611	151	1,460						36,285	10,450	25,835	
1914	37,475	37,314	1,688	161	1,527						35,787	10,456	25,331	
1915	37,669	37,500	1,753	169	1,584						35,916	10,466	25,450	
1916	40,126	39,952	1,794	174	1,620						38,332	10,497	27,835	
1917	41,531	40,696	2,527	835	1,692						39,004	10,447	28,557	
1918	43,998	41,030	5,060	2,968	2,092						38,938	10,311	28,627	
1919	42,313	41,047	3,323	1,266	2,057						38,990	10,197	28,793	
1920	41,497	41,144	2,314	353	1,961						39,183	10,343	28,840	
1921	39,361	39,006	2,302	355	1,947						37,059	10,316	26,743	
1922	41,383	41,117	2,264	266	1,998						39,119	10,269	28,850	
1923	43,938	43,693	2,297	245	2,052						41,641	10,135	31,506	
1924	43,315	43,054	2,399	261	2,138						40,916	10,034	30,882	
1925	44,512	44,257	2,492	255	2,237						42,020	10,038	31,982	
1926	45,795	45,544	2,553	251	2,302						43,242	9,992	33,250	
1927	45,900	45,646	2,642	254	2,388						43,258	9,734	33,524	
1928	46,382	46,126	2,695	256	2,439						43,687	9,772	33,915	
1929	47,611	47,350	2,775	261	2,514						44,836	9,828	35,008	

(continued)

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TABLE A-VI (concluded)

1930	45,465	45,204	2,902	261	2,641	42,563	9,623	32,940
1931	42,607	42,350	2,984	257	2,727	39,623	9,814	29,809
1932	39,274	39,023	2,960	251	2,709	36,314	9,868	26,446
1933	39,615	39,366	3,473	249	3,224	36,142	9,809	26,333
1934	42,739	42,489	4,303	250	4,053	38,436	9,723	28,713
1935	44,224	43,961	4,585	263	4,322	39,639	9,804	29,835
1936	47,078	46,788	5,686	290	5,396	41,392	9,495	31,897
1937	48,233	47,920	5,056	313	4,743	43,177	9,223	33,954
1938	46,379	46,053	5,661	326	5,335	40,718	8,949	31,769
1939	47,769	47,427	5,630	342	5,288	42,139	8,730	33,409
1940	49,606	49,057	5,732	549	5,183	43,874	8,454	35,420
1941	54,097	52,421	6,748	1,676	5,072	47,349	8,215	39,134
1942	59,056	54,902	9,171	4,154	5,017	49,885	8,088	41,797
1943	64,864	55,835	14,208	9,029	5,179	50,656	8,043	42,613
1944	66,020	54,655	16,507	11,365	5,142	49,513	7,869	41,644
1945	64,363	53,061	16,369	11,302	5,067	47,994	7,700	40,294
1946	58,917	55,483	8,104	3,434	4,670	50,813	7,927	42,886
1947	59,264	57,665	6,068	1,599	4,469	53,196	7,994	45,202
1948	60,216	58,748	6,073	1,468	4,605	54,143	7,980	46,163
1949	58,702	57,098	6,389	1,604	4,785	52,313	7,672	44,641
1950	60,491	58,797	6,614	1,694	4,920	53,877	7,643	46,234
1951	64,191	61,067	8,475	3,124	5,351	55,716	7,350	48,366
1952	65,264	61,626	9,182	3,638	5,544	56,082	7,045	49,037
1953	66,219	62,674	9,139	3,545	5,594	57,080	6,825	50,255
1953 ^r	66,693	63,148	9,151	3,545	5,606	57,542	6,825	50,717
1957 ^p	67,728	64,943	9,051	2,785	6,266	58,677	5,834	52,843

^p = preliminary.

^r = revised (*U.S. Income and Output, 1958 Supplement, Survey of Current Business*, Dept. of Commerce).

^b Segment detail for key years is given in Table A-VII. Additional data and, in some cases, annual indexes for segments and groups are given in Appendices C-J.

^c Annual average for decade.

^a For detail, see Appendix K.

TABLE A-VII

National Economy: Persons Engaged, by Sector and by Industrial Division, Key Years, 1869-1957
(thousands)

	1869	1879	1889	1899	1909	1919	1929	1937	1948	1953	1953 ^r	1957 ^p
National economy ^a	11,910	15,639	21,620	26,861	34,785	42,313	47,611	48,233	60,216	66,219	66,693	67,728
Civilian economy	11,859	15,602	21,581	26,741	34,647	41,047	47,350	47,920	58,748	62,674	63,148	64,943
General government	328	504	686	873	1,258	2,057	2,514	4,743	4,605	5,594	5,606	6,266
Private economy	11,531	15,098	20,895	25,868	33,389	38,990	44,836	43,177	54,143	57,080	57,542	58,677
Farm	5,721	7,577	8,886	9,771	10,379	10,197	9,828	9,223	7,980	6,825	6,825	5,834
Nonfarm	5,810	7,521	12,009	16,097	23,010	28,793	35,008	33,954	46,163	50,255	50,717	52,843
Agricultural services, forestry, fisheries	37	63	110	141	183	221	247	261	273	300	300	327
Mining	151	281	507	659	1,079	1,145	1,057	963	1,005	873	877	839
Construction	580	645	964	1,315	1,744	1,516	2,392	1,807	3,326	3,716	3,878	4,259
Manufacturing	2,100	2,810	4,049	5,365	7,679	10,600	10,570	10,696	15,481	17,428	17,476	17,065
Trade	926	1,232	2,104	2,892	4,089	5,603	8,028	8,384	11,474	12,266	12,447	13,187
Finance, insurance, real estate	48	65	172	325	559	904	1,592	1,538	1,942	2,235	2,339	2,749
Transportation	569	766	1,435	1,908	2,691	3,357	3,051	2,351	3,013	2,974	3,010	2,867
Communications and public utilities	35	50	96	167	368	629	1,034	901	1,282	1,401	1,404	1,516
Services	1,323	1,547	2,481	3,204	4,360	4,514	6,628	6,579	7,647	8,220	8,144	9,160
Government enterprises	41	62	91	121	258	304	409	474	720	842	842	874

^p = preliminary.

^r = revised (*U.S. Income and Output, 1958 Supplement, Survey of Current Business, Dept. of Commerce*).

^a With respect to labor, the national and domestic economies are practically identical.

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TABLE A-VIII

National Economy: Persons Engaged, Comparison of Industry Aggregate and Census-based Series, Decennial, 1870-1950

	Based on <i>Census of Population</i> Data (millions)	Industry Aggregate	Ratio: Industry Aggregate to Census
1870	12.1	12.0	0.99
1880	16.5	16.6	1.01
1890	22.4	22.3	1.00
1900	27.1	27.3	1.01
1910	35.5	35.7	1.01
1920	40.8	41.5	1.02
1930	44.0	45.5	1.03
1940	46.4	49.6	1.07
1950	58.5	60.4	1.03

SOURCE: For 1890-1950, see Clarence D. Long, *The Labor Force under Changing Income and Employment*, Princeton University Press (for NBER) 1958, Table C-1; 1870 and 1880 are based on estimates of gainful workers by Daniel Carson, "Changes in the Industrial Composition of Manpower since the Civil War," *Studies in Income and Wealth*, Vol. 11, New York (NBER) 1949, p. 47, adjusted for unemployment.

TABLE A-IX

National Economy: Average Hours Worked per Week, by Sector and by Industrial Division, Key Years, 1869-1957
(number)

	1869	1879	1889	1899	1909	1919	1929	1937	1948	1953	1957 ^p
National economy ^a	53.7	52.8	53.5	53.4	52.0	49.1	48.6	44.4	41.8	40.3	39.6
Civilian economy	53.8	52.8	53.5	53.4	52.0	49.4	48.7	44.5	42.0	40.6	39.8
General government	34.6	35.1	36.3	37.4	39.0	37.1	37.4	36.5	34.6	34.3	33.8
Private economy	54.3	53.4	54.1	54.0	52.5	50.0	49.3	45.4	42.7	41.3	40.5
Farm	45.9	45.5	45.5	45.5	45.7	49.0	49.8	50.7	45.4	40.1	41.0
Nonfarm	62.7	61.3	60.4	59.1	55.6	50.4	49.2	43.9	42.2	41.4	40.4
Agricultural services, forestry, fisheries	52.5	51.9	51.2	51.3	50.9	48.7	47.7	44.1	44.9	44.3	43.5
Mining	46.6	48.2	45.4	42.6	41.8	40.5	42.1	33.8	39.3	37.6	38.3
Construction	55.6	55.1	51.8	51.2	44.1	41.8	42.6	36.0	39.8	39.4	38.7
Manufacturing	55.9	54.5	53.5	52.7	51.0	46.3	44.2	38.6	40.1	39.8	38.8
Trade	70.2	70.2	70.2	69.1	62.6	58.3	56.4	49.6	45.8	44.9	43.9
Finance, insurance, real estate	54.1	52.7	51.5	50.7	49.1	44.5	45.5	43.9	40.7	40.6	39.3
Transportation	61.9	62.2	64.3	63.5	62.0	52.4	50.1	46.8	47.8	43.5	43.1
Communications and public utilities	64.8	65.8	64.5	58.0	55.2	46.0	46.8	40.3	40.6	40.1	40.0
Services	74.3	72.1	68.8	66.5	63.0	56.2	52.8	49.1	41.3	40.9	39.2
Government enterprises	48.8	49.0	47.8	46.6	45.8	44.3	44.9	37.1	37.4	37.3	37.2

^p = preliminary.
^a With respect to labor, the national and domestic economies are practically identical.
 Source: Manhours estimates (Table A-XI) divided by corresponding estimates of persons engaged (Table A-VII) and 52 (weeks of full-time equivalents relative to full- and part-time employment in the year). The average hours estimates for 1953 are virtually the same using either the unrevised or revised manhour and persons engaged series, although in a few instances there were differences of more than 0.2, due chiefly to changes in the Commerce estimates of full-time equivalents relative to full- and part-time employment.

TABLE A-X
National Economy: Manhours, by Major Sector, 1869-1957
(millions)

	General Governments ^a					Private		
	Incl. Military	Civilian	Total	Military	Civilian	Total	Farm	Non-farm ^b
1869-78 ^c	37,046	36,954	848	92	756	36,198	15,381	20,817
1879-88 ^c	51,192	51,110	1,162	82	1,080	50,030	19,422	30,608
1889	60,133	60,049	1,378	84	1,294	58,755	21,045	37,710
1890	62,280	62,200	1,411	80	1,331	60,869	21,337	39,532
1891	63,896	63,819	1,443	77	1,366	62,453	21,538	40,915
1892	66,002	65,923	1,491	79	1,412	64,511	21,738	42,773
1893	65,309	65,228	1,525	81	1,444	63,784	21,939	41,845
1894	63,096	63,009	1,571	87	1,484	61,525	22,139	39,386
1895	66,921	66,834	1,613	87	1,526	65,308	22,340	42,968
1896	66,917	66,834	1,633	83	1,550	65,284	22,541	42,743
1897	68,990	68,906	1,670	84	1,586	67,320	22,741	44,579
1898	69,718	69,343	2,005	375	1,630	67,713	22,942	44,771
1899	74,558	74,312	1,945	246	1,699	72,613	23,142	49,471
1900	75,486	75,235	2,007	251	1,756	73,479	23,343	50,136
1901	78,764	78,528	2,080	236	1,844	76,684	23,489	53,195
1902	82,109	81,899	2,117	210	1,907	79,992	23,635	56,357
1903	84,524	84,314	2,183	210	1,973	82,341	23,781	58,560
1904	83,351	83,130	2,250	221	2,029	81,101	23,927	57,174
1905	87,459	87,242	2,352	217	2,135	85,107	24,072	61,035
1906	90,904	90,679	2,450	225	2,225	88,454	24,218	64,236
1907	92,980	92,761	2,570	219	2,351	90,410	24,364	66,046
1908	89,188	88,931	2,693	257	2,436	86,495	24,510	61,985
1909	94,054	93,771	2,835	283	2,552	91,219	24,656	66,563

(continued)

Table A-X (continued)
National Economy: Manhours, by Major Sector, 1869-1957
(millions)

	Total		General Government ^a			Private		
	Incl. Military	Civilian	Total	Military	Civilian	Total	Farm	Non-farm ^b
1910	96,605	96,329	2,972	276	2,696	93,633	24,802	68,831
1911	98,500	98,211	3,079	289	2,790	95,421	25,319	70,102
1912	101,647	101,342	3,210	305	2,905	98,437	25,651	72,786
1913	102,466	102,158	3,302	308	2,994	99,164	25,325	73,839
1914	100,745	100,416	3,435	329	3,106	97,310	26,100	71,210
1915	99,982	99,638	3,555	344	3,211	96,427	25,568	70,859
1916	107,072	106,718	3,647	354	3,293	103,425	25,418	78,007
1917	110,690	108,993	5,105	1,697	3,408	105,585	26,126	79,459
1918	114,876	108,913	10,113	5,963	4,150	104,763	26,480	78,283
1919	107,930	105,387	6,516	2,543	3,973	101,414	25,992	75,422
1920	107,226	106,519	4,496	707	3,789	102,730	26,394	76,336
1921	96,877	96,175	4,362	702	3,660	92,515	24,348	68,167
1922	103,770	103,244	4,311	526	3,785	99,459	25,190	74,269
1923	111,793	111,308	4,432	485	3,947	107,361	25,367	81,994
1924	109,475	108,959	4,623	516	4,107	104,852	25,655	79,197
1925	113,442	112,938	4,833	504	4,329	108,609	26,180	82,429
1926	117,354	116,858	4,961	496	4,465	112,393	26,266	86,127
1927	116,906	116,406	5,155	500	4,655	111,751	25,243	86,508
1928	118,028	117,524	5,253	504	4,749	112,775	25,692	87,083
1929	120,338	119,825	5,397	513	4,884	114,941	25,474	89,467

(continued)

THE NATIONAL ECONOMY

Table A-X (concluded)

1930	112,632	112,119	5,565	513	5,052	107,067	25,213	81,854
1931	103,769	103,284	5,613	485	5,128	98,156	25,770	72,386
1932	92,383	91,908	5,448	475	4,973	86,935	24,866	62,069
1933	92,552	92,079	6,495	473	6,022	86,057	24,809	61,248
1934	92,619	92,155	7,998	464	7,534	84,621	22,255	62,366
1935	97,756	97,277	8,576	479	8,097	89,180	23,157	66,023
1936	106,835	106,320	10,925	515	10,410	95,910	22,484	73,426
1937	111,443	110,887	9,568	556	9,012	101,875	24,307	77,568
1938	103,788	103,211	10,693	577	10,116	93,095	22,635	70,460
1939	108,532	107,927	10,653	605	10,048	97,879	22,748	75,131
1940	112,978	112,007	10,797	971	9,826	102,181	22,847	79,694
1941	124,204	121,006	12,874	3,198	9,676	111,330	22,054	89,276
1942	138,323	129,762	18,333	8,561	9,772	119,990	22,934	97,056
1943	156,325	135,269	31,942	21,056	10,886	124,383	22,750	101,633
1944	160,012	133,509	37,358	26,503	10,855	122,654	22,530	100,124
1945	150,012	126,029	34,073	23,983	10,090	115,939	21,019	94,920
1946	131,474	125,375	14,538	6,099	8,439	116,936	20,265	96,671
1947	130,317	127,477	10,893	2,840	8,053	119,424	19,352	100,072
1948	131,019	128,412	10,887	2,607	8,280	120,132	18,828	101,304
1949	126,402	123,553	11,399	2,849	8,550	115,003	18,219	96,784
1950	128,914	125,905	11,812	3,009	8,803	117,102	16,750	100,352
1951	135,876	130,328	15,096	5,548	9,548	120,780	15,979	104,801
1952	137,927	131,379	16,475	6,548	9,927	121,452	15,284	106,168
1953	136,567	132,186	16,361	6,381	9,980	122,206	14,231	107,975
1953 ^a	139,819	133,438	16,393	6,381	10,012	123,426	14,231	109,195
1957 ^b	139,577	134,564	16,028	5,013	11,015	123,549	12,445	111,104

^a = preliminary.

^b = revised (based on estimates of persons engaged as revised in *U. S. Income and Output, 1958 Supplement, Survey of Current Business*, Dept. of Commerce).

^c For detail, see Appendix K.

^d Segment detail for key years is given in Table A-XI. Additional group detail and, in some cases, annual indexes of segments and groups are given in Appendices C through J.

^e Annual average for decade.

TABLE A-XI

National Economy: Manhours, by Sector and by Industrial Division,
Key Years, 1869-1957
(millions)

	1869	1879	1889	1899	1909	1919	1929	1937	1948	1953	1953 ^r	1957 ^p
National economy ^a	33,280	42,916	60,133	74,558	94,054	107,930	120,338	111,443	131,019	138,567	139,819	139,577
Civilian economy	33,166	42,833	60,049	74,312	93,771	105,387	119,825	110,887	128,412	132,186	133,438	134,564
General government	591	921	1,294	1,699	2,552	3,973	4,884	9,012	8,280	9,980	10,012	11,015
Private economy	32,575	41,912	58,755	72,613	91,219	101,414	114,941	101,875	120,132	122,206	123,426	123,549
Farm	13,642	17,945	21,045	23,142	24,656	25,992	25,474	24,307	18,828	14,231	14,231	12,445
Nonfarm	18,933	23,967	37,710	49,471	66,563	75,422	89,467	77,568	101,304	107,975	109,195	111,104
Agricultural services, forestry, fisheries	101	170	293	376	484	560	613	599	637	693	691	739
Mining	366	704	1,198	1,459	2,342	2,412	2,313	1,690	2,056	1,716	1,716	1,672
Construction	1,676	1,848	2,596	3,498	4,001	3,292	5,304	3,380	6,890	7,595	7,947	8,575
Manufacturing	6,105	7,964	11,264	14,700	20,365	25,525	24,290	21,467	32,278	36,076	36,175	34,438
Trade	3,381	4,496	7,677	10,394	13,310	16,979	23,555	21,616	27,334	28,489	29,048	30,106
Finance, insurance, real estate	135	178	461	857	1,427	2,092	3,767	3,511	4,109	4,718	4,937	5,619
Transportation	1,833	2,477	4,801	6,303	8,681	9,154	7,949	5,725	7,485	6,810	6,811	6,432
Communications and public utilities	118	171	322	504	1,056	1,506	2,517	1,886	2,709	2,906	2,925	3,154
Services	5,114	5,801	8,872	11,087	14,283	13,201	18,204	16,780	16,406	17,347	17,311	18,679
Government enterprises	104	158	226	293	614	701	955	914	1,400	1,625	1,634	1,690

^p = preliminary.

^r = revised (based on estimates of persons engaged as revised in
U.S. Income and Output, 1958 Supplement, Survey of Current Business, Dept.
of Commerce).

^a With respect to labor, the national and domestic economies are
practically identical.

TABLE A-XII
 Civilian Economy: Employment, Average Hours, and Manhours, Comparison of Industry
 Composite with Census Survey Estimates, 1940-57

	Employment			Average Hours Worked per Week					Manhours	
	MRLF ^a (1)	Industry Com- posites ^b (2)	Ratio (2) ÷ (1) (3)	MRLF ^c (4)	Industry Composite (8) ÷ (2) ÷ 52 (5)	Ratio (5) ÷ (4) (6)	MRLF (1) × (4) × 52 (7)	Industry Composite (8)	Ratio (8) ÷ (7) (9)	
1940	46,330	49,057	1.059	44.5	43.9	0.987	107,208	112,007	1.045	
1941	49,370	52,421	1.062	45.6	44.4	0.974	117,066	121,006	1.034	
1942	52,650	54,902	1.043	46.6	45.5	0.976	127,581	129,762	1.017	
1943	53,250	55,835	1.049	48.6	46.6	0.959	134,573	135,269	1.005	
1944	52,200	54,655	1.047	48.0	47.0	0.979	130,291	133,509	1.025	
1945	50,810	53,061	1.044	46.3	45.7	0.987	122,330	126,029	1.030	
1946	52,990	55,483	1.047	44.2	43.5	0.984	121,792	125,375	1.029	
1947	55,554	57,665	1.038	43.5	42.5	0.977	125,663	127,477	1.014	
1948	56,626	58,748	1.037	43.2	42.0	0.972	127,205	128,412	1.009	
1949	56,180	57,098	1.016	42.6	41.6	0.977	124,450	123,553	0.993	
1950	57,309	58,797	1.026	42.4	41.2	0.972	126,355	125,905	0.996	
1951	58,325	61,067	1.047	42.5	41.0	0.965	128,898	130,328	1.011	
1952	58,479	61,626	1.054	42.4	41.0	0.967	128,934	131,379	1.019	
1953	59,415	62,674	1.055	42.2	40.6	0.962	130,380	132,186	1.014	
1953 ^r	59,415	63,148	1.063	42.2	40.6	0.962	130,380	133,438	1.023	
1957 ^p	61,994	64,943	1.048	41.1	39.8	0.968	132,494	134,564	1.016	

^p = preliminary.

^r = revised (*U.S. Income and Output, 1958 Supplement, Survey of*
Current Business, Dept. of Commerce).

^a MRLF = *Monthly Reports on the Labor Force*, Series P-57, Bureau
 of the Census. Excluding persons with job but not at work.

^b Including employees as full-time equivalents.

^c Adjusted for holiday weeks.

APPENDIX A

TABLE
National Economy: Real Labor Input and Manhours, Effect of
1929

	<i>National Economy</i>			<i>Private Economy</i>		
	Labor Input (1)	Man- hours (2)	Ratio (1) ÷ (2) (3)	Labor Input (4)	Man- hours (5)	Ratio (4) ÷ (5) (6)
1869	22.4	27.7	0.809	23.0	28.3	0.813
1879	29.1	35.7	0.815	29.8	36.5	0.816
1889	43.4	50.0	0.868	44.6	51.1	0.873
1899	55.4	62.0	0.894	56.7	63.2	0.897
1909	73.5	78.2	0.940	74.9	79.4	0.943
1919	88.7	89.7	0.989	88.6	88.2	0.983
1929	100.0	100.0	1.000	100.0	100.0	1.000
1937	92.0	92.6	0.994	87.4	88.6	0.986
1948	119.3	108.9	1.096	111.9	104.5	1.071
1953	129.9	115.1	1.129	117.2	106.3	1.103
1957 ^p	129.4	114.9	1.126	116.9	106.4	1.099

^p = preliminary.

THE NATIONAL ECONOMY

A-XIII
Interindustry Manhour Shifts, by Major Sector, Key Years, 1869-1957
= 100

Labor Input (7)	Private Nonfarm Economy		Effect of Government-Private Shifts (3) ÷ (6) (10)	Effect of Farm-Nonfarm Shifts (6) ÷ (9) (11)
	Man-hours (8)	Ratio (7) ÷ (8) (9)		
19.4	21.2	0.915	0.995	0.889
25.0	26.8	0.933	0.999	0.875
39.6	42.1	0.941	0.994	0.928
52.7	55.3	0.953	0.997	0.941
72.3	74.4	0.972	0.997	0.970
84.9	84.3	1.007	1.006	0.976
100.0	100.0	1.000	1.000	1.000
86.7	8.86	1.000	1.008	0.986
117.6	113.2	1.039	1.023	1.031
126.3	120.7	1.046	1.024	1.054
126.9	122.8	1.033	1.025	1.064

APPENDIX A

TABLE
Distribution of Labor Input, Manhours, and Persons Engaged, by
(per

	1869		1899	
	Persons Engaged	Man-hours	Labor Input ^a	Persons Engaged
National economy	100.0	100.0	100.0	100.0
Military	0.4	0.3	0.5	0.4
Civilian	99.6	99.7	99.5	99.6
General government	2.8	1.8	3.5	3.3
Private economy	96.8	97.9	96.0	96.3
Farm	48.0	41.0	20.0	36.4
Nonfarm	48.8	56.9	76.0	59.9
Agricultural services, forestry, fisheries	0.3	0.3	0.3	0.5
Mining	1.3	1.1	1.9	2.5
Construction	4.9	5.0	9.8	4.9
Manufacturing	17.6	18.3	28.2	20.0
Trade	7.8	10.2	13.6	10.8
Transportation	4.8	5.5	7.8	7.1
Communications and public utilities	0.3	0.4	0.5	0.6
Finance, insurance, and real estate	0.4	0.4	0.9	1.2
Services	11.1	15.4	12.4	11.9
Government enterprises	0.3	0.3	0.6	0.4

^a Absolute figures on which these percentages are based were derived by multiplying 1929 labor compensation by labor input indexes for industries and summing to sector totals.

THE NATIONAL ECONOMY

A-XIV

Sector and by Industrial Division, 1869, 1899, 1929, and 1957
(cent)

1899		1929			1957 ^p		
Man-hours	Labor Input ^a	Persons Engaged	Man-hours	Labor Input ^a	Persons Engaged	Man-hours	Labor Input ^a
100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0.3	0.4	0.5	0.4	0.5	4.1	3.6	3.5
99.7	99.6	99.5	99.6	99.5	95.9	96.4	96.5
2.3	4.0	5.3	4.1	6.3	9.3	7.9	12.2
97.4	95.6	94.2	95.5	93.2	86.6	88.5	84.3
31.0	13.5	20.7	21.2	8.1	8.6	8.9	3.0
66.4	82.1	73.5	74.3	85.1	78.0	79.6	81.3
0.5	0.4	0.5	0.5	0.4	0.5	0.5	0.3
2.0	3.0	2.2	1.9	2.6	1.2	1.2	1.3
4.7	8.2	5.0	4.4	6.7	6.3	6.1	7.8
19.7	27.1	22.2	20.2	25.7	25.2	24.7	28.6
13.9	16.6	16.9	19.6	20.6	19.5	21.6	19.3
8.5	10.9	6.4	6.6	7.9	4.2	4.6	4.2
0.7	0.8	2.2	2.1	2.4	2.2	2.3	2.3
1.1	2.2	3.3	3.1	5.2	4.1	4.0	5.6
14.9	12.2	13.9	15.1	12.4	13.5	13.4	10.3
0.4	0.7	0.9	0.8	1.2	1.3	1.2	1.6

^p = preliminary.

APPENDIX A

TABLE A-XV
 National Economy: Real Capital Stocks, by Major Sector, 1869-1957
 (millions of 1929 dollars)

	NATIONAL ECONOMY	NET FOREIGN ASSETS	DOMESTIC ECONOMY	GENERAL GOVERNMENT	PRIVATE DOMESTIC ECONOMY			
					Total	Farm	Residential Private Nonfarm Nonresidential	
1869-78 ^a	54,098	-3,175	57,273	3,335	53,938	27,447	9,677	16,814
1879-88 ^a	83,327	-3,425	86,752	4,717	82,035	36,276	18,465	27,294
1889	103,190	-4,250	107,440	5,722	101,718	40,132	28,448	33,138
1890	108,189	-4,448	112,637	5,920	106,717	40,848	30,845	35,024
1891	114,155	-4,586	118,741	6,106	112,635	41,683	32,888	38,064
1892	120,846	-4,667	125,513	6,268	119,245	42,401	34,926	41,918
1893	126,929	-4,764	131,693	6,430	125,263	42,872	36,903	45,488
1894	131,263	-4,803	136,066	6,610	129,456	43,472	38,576	47,408
1895	136,407	-4,940	141,347	6,811	134,536	44,193	40,456	49,887
1896	141,477	-4,982	146,459	7,048	139,411	44,989	42,326	52,096
1897	146,191	-4,908	151,099	7,440	143,659	45,992	44,104	53,563
1898	151,476	-4,938	156,414	7,959	148,455	47,073	45,748	55,634
1899	156,795	-4,750	161,545	8,448	153,097	48,004	47,138	57,955
1900	162,309	-4,638	166,947	8,920	158,027	48,799	48,122	61,106
1901	167,394	-4,573	171,967	9,425	162,542	49,298	49,042	64,202
1902	173,289	-4,288	177,577	9,901	167,676	50,234	50,156	67,286
1903	179,821	-4,082	183,903	10,448	173,455	51,231	51,182	71,042
1904	184,890	-3,968	188,858	11,110	177,748	51,876	52,384	73,488
1905	190,778	-3,876	194,654	11,770	182,884	52,701	54,381	75,802
1906	198,451	-3,804	202,255	12,359	189,896	53,562	56,844	79,490
1907	206,344	-3,580	209,924	12,974	196,950	54,096	58,858	83,996
1908	212,942	-3,410	216,352	13,758	202,594	54,524	60,628	87,442
1909	218,302	-3,507	221,809	14,554	207,255	55,295	62,665	89,295

(continued)

THE NATIONAL ECONOMY

TABLE A-XV (continued)

1910	224,805	-3,554	228,359	15,320	213,039	56,229	64,538	92,272
1911	231,628	-3,508	235,136	16,177	218,959	57,627	65,974	95,358
1912	237,020	-3,367	240,387	17,053	223,334	58,178	67,462	97,694
1913	243,881	-3,244	247,125	17,871	229,254	58,602	69,070	101,582
1914	250,563	-3,094	253,657	18,662	234,995	59,079	70,644	105,272
1915	258,025	-1,702	259,727	19,688	240,039	60,627	72,246	107,166
1916	266,294	1,834	264,460	20,787	243,673	60,729	73,900	109,044
1917	273,796	4,017	269,779	21,525	248,254	61,353	74,780	112,121
1918	278,079	3,742	274,337	21,767	252,570	62,082	74,442	116,046
1919	281,995	3,874	278,121	21,594	256,527	62,600	74,243	119,684
1920	287,157	4,617	282,540	21,380	261,160	62,563	74,320	124,277
1921	292,222	5,942	286,280	21,800	264,480	61,766	74,763	127,951
1922	297,948	7,512	290,436	22,867	267,569	61,089	76,912	129,568
1923	306,702	8,176	298,526	24,069	274,457	60,420	80,458	133,579
1924	317,047	8,500	308,547	25,617	282,930	59,950	84,834	138,146
1925	328,372	9,146	319,226	27,318	291,908	60,003	89,860	142,045
1926	341,716	9,652	332,064	28,794	303,270	60,493	95,043	147,734
1927	354,297	10,164	344,133	30,388	313,745	60,605	99,904	153,236
1928	365,829	11,020	354,809	32,140	322,669	61,181	104,224	157,264
1929	377,073	11,984	365,089	34,024	331,065	61,463	107,336	162,266
1930	385,841	12,744	373,097	36,463	336,634	61,120	108,572	166,942
1931	389,232	12,934	376,298	39,032	337,266	61,542	108,680	167,044
1932	385,653	12,478	373,175	41,160	332,015	61,838	108,022	162,155
1933	376,913	11,486	365,427	42,360	323,067	60,990	106,649	155,468
1934	368,941	10,516	358,425	43,257	315,168	59,017	105,254	150,897
1935	365,700	8,892	356,808	44,988	311,820	58,788	104,304	148,728
1936	365,202	6,662	358,540	46,884	311,656	58,396	104,100	149,160
1937	369,145	5,067	364,078	48,682	315,396	58,877	104,382	152,137
1938	372,153	4,096	368,057	50,643	317,414	59,438	104,791	153,185
1939	373,890	2,960	370,930	53,228	317,702	59,629	105,675	152,398

(continued)

APPENDIX A

TABLE A-XV (concluded)
National Economy: Real Capital Stocks, by Major Sector, 1869-1957
(millions of 1929 dollars)

	NATIONAL ECONOMY	NET FOREIGN ASSETS	DOMESTIC ECONOMY	GENERAL GOVERNMENT	PRIVATE DOMESTIC ECONOMY			
					Total	Farm	Residential	<i>Private Nonfarm</i> Nonresidential
1940	380,676	1,514	379,162	56,972	322,190	60,952	107,102	154,136
1941	391,178	1,434	389,744	59,659	330,085	62,559	108,804	158,722
1942	398,536	1,920	396,616	60,278	336,338	64,399	109,532	162,407
1943	397,961	1,766	396,195	59,968	336,227	65,216	108,646	162,365
1944	393,473	1,476	391,997	58,662	333,335	65,307	107,220	160,808
1945	386,955	-274	387,229	57,204	330,025	64,765	105,847	159,413
1946	390,364	97	390,267	56,382	333,885	64,691	105,754	163,440
1947	405,751	4,760	400,991	56,700	344,291	64,478	107,355	172,458
1948	423,472	7,980	415,492	58,022	357,470	65,884	109,923	181,663
1949	439,184	8,760	430,424	59,546	370,878	68,262	112,880	189,736
1950	454,555	8,691	445,864	60,738	385,126	70,431	116,962	197,733
1951	472,716	8,507	464,209	62,010	402,199	72,023	121,420	208,756
1952	489,322	8,674	480,648	64,074	416,574	72,748	124,998	218,828
1953	503,932	9,029	494,903	65,988	428,915	72,521	128,604	227,790
1957 ^p	569,370	10,110	559,260	74,160	485,100	73,331	n.a.	n.a.

^p = preliminary.

^a Annual average for decade.

n.a. = not available.

APPENDIX A

 TABLE A-XVI (continued)
 Domestic Economy and Private Sectors:^a Real Capital Stocks, by Major Type, 1869-1953
 (millions of 1929 dollars)

	DOMESTIC ECONOMY						PRIVATE DOMESTIC ECONOMY				Inventories
	Farm, Forest, and Park Land	Structures (including Site Land)	Equipment	Inventories	M Monetary Gold and Silver	Farm and Forest Land	Structures ^b	Nonresidential	Equipment		
1910	35,922	147,338	25,017	18,199	1,883	34,497	136,047	71,509	24,315	18,180	
1911	37,253	151,246	25,826	18,852	1,959	35,837	139,230	73,256	25,064	18,828	
1912	37,534	153,300	26,712	18,790	2,051	36,127	142,549	75,087	25,894	18,764	
1913	37,453	160,040	27,985	19,535	2,112	36,055	146,569	77,499	27,123	19,507	
1914	37,723	164,547	28,940	20,373	2,074	36,335	150,281	79,637	28,038	20,341	
1915	38,526	168,236	29,334	21,366	2,265	37,147	153,139	80,893	28,421	21,332	
1916	37,920	171,926	30,134	21,677	2,803	36,550	156,212	82,312	29,264	21,647	
1917	37,564	174,823	31,757	22,335	3,300	36,204	158,772	83,992	30,967	22,311	
1918	37,618	175,743	33,402	24,110	3,464	36,268	159,513	85,071	32,700	24,089	
1919	37,806	176,456	34,378	26,158	3,323	36,464	160,156	85,913	33,774	26,133	
1920	37,790	177,477	35,030	29,098	3,145	36,456	161,118	86,798	34,524	29,062	
1921	38,121	178,995	35,031	30,725	3,408	36,791	162,404	87,641	34,607	30,678	
1922	38,159	182,867	34,711	30,805	3,894	36,827	165,665	88,753	34,314	30,763	
1923	37,298	189,124	35,454	32,443	4,207	35,964	171,083	90,625	35,008	32,402	
1924	37,126	196,899	36,642	33,380	4,500	35,789	177,746	92,912	36,065	33,330	
1925	37,257	206,021	37,815	33,555	4,578	35,918	185,433	95,573	37,056	33,501	
1926	37,774	215,764	39,210	34,763	4,553	36,434	193,820	98,777	38,309	34,707	
1927	37,947	225,721	40,398	35,564	4,503	36,603	202,305	102,401	39,330	35,509	
1928	38,408	235,141	41,385	35,567	4,308	37,061	209,995	105,771	40,104	35,509	
1929	38,720	243,320	42,806	36,001	4,242	37,370	216,418	109,082	41,332	35,945	

(continued)

THE NATIONAL ECONOMY

TABLE A-XVI (concluded)

1930	38,850	249,494	43,932	36,416	4,405	37,500	220,530	111,958	42,248	36,356
1931	39,452	253,203	43,528	35,696	4,419	38,106	221,892	113,212	41,642	35,626
1932	39,792	253,806	41,562	33,678	4,337	38,450	220,400	112,378	39,565	33,600
1933	39,460	251,705	38,983	31,011	4,268	38,122	217,019	110,370	36,991	30,935
1934	38,968	248,544	37,030	29,225	4,658	37,636	213,271	108,017	35,108	29,153
1935	39,269	246,180	36,201	29,375	5,783	37,937	210,284	105,980	34,296	29,303
1936	38,918	245,398	36,695	30,792	6,737	37,585	208,638	104,538	34,710	30,723
1937	39,165	246,288	38,096	33,034	7,495	37,833	208,577	104,195	36,020	32,966
1938	39,137	247,272	38,736	34,425	8,487	37,803	208,626	103,835	36,632	34,353
1939	39,053	248,352	38,835	34,733	9,957	37,718	208,642	102,967	36,682	34,660
1940	39,906	250,397	39,948	36,747	12,164	38,574	209,299	102,197	37,648	36,669
1941	40,224	253,333	42,178	40,337	13,672	38,896	211,164	102,360	39,781	40,244
1942	40,437	254,397	43,704	44,136	13,942	39,115	211,954	102,422	41,248	44,021
1943	40,472	252,531	43,785	45,624	13,783	39,155	210,314	101,668	41,275	45,483
1944	40,587	248,938	43,850	45,404	13,218	39,276	207,402	100,182	41,421	45,236
1945	40,038	245,234	44,780	44,365	12,792	38,734	204,566	98,719	42,498	44,227
1946	39,542	245,063	47,676	45,111	12,875	38,244	205,289	99,535	45,341	45,011
1947	38,754	248,183	53,443	46,940	13,671	37,457	209,131	101,776	50,827	46,876
1948	38,559	252,863	60,864	48,435	14,771	37,261	213,975	104,052	57,859	48,375
1949	39,302	258,830	67,106	49,910	15,276	38,003	219,283	106,403	63,744	49,848
1950	40,805	266,694	72,395	51,128	14,842	39,503	225,717	108,755	68,838	51,068
1951	41,084	275,621	77,921	55,233	14,350	39,780	233,049	111,629	74,193	55,177
1952	40,648	283,870	82,749	58,874	14,507	39,344	239,664	114,666	78,749	58,817
1953	40,227	292,235	86,978	61,134	14,329	38,922	246,261	117,657	82,652	61,080

^a Totals shown in Table A-XV are not repeated here. General-government capital by type may be derived as the difference between the sector totals by type. The farm component by type is shown in Table B-III (for key years), so that private domestic nonfarm capital could also be derived as a residual.

^b The residential (nonfarm) component is shown separately in Table A-XV.

^c Annual average for decade.

APPENDIX A

TABLE A-XVII

National Economy: Total Factor Input,
Effect of Alternative Weighting Systems, Key Years, 1869-1957

	Changing Weights	Fixed (1929) Weights	Unweighted Components ^a	Relative Movements: Ratio of Changing Weights to	
				Fixed Weights	Un- weighted
	(1 9 2 9 = 1 0 0)				
1869	18.7	19.3	23.2	0.969	0.806
1879	25.1	25.8	30.7	0.973	0.818
1889	37.4	38.3	43.6	0.977	0.858
1899	50.0	50.7	56.2	0.986	0.890
1909	67.9	68.5	72.5	0.991	0.937
1919	85.1	85.3	85.5	0.998	0.995
1929	100.0	100.0	100.0	1.000	1.000
1937	92.8	92.9	94.1	0.999	0.986
1948	118.4	118.3	109.9	1.001	1.077
1953	132.3	133.2	120.3	0.993	1.100
1957 ^p	135.9	138.2	125.1	0.983	1.086

^p = Preliminary.

^a Indexes of unweighted manhours and unweighted real capital stock combined by relative shares in national income in 1929.

TABLE A-XVIII
Private Domestic Economy: Total Factor Productivity,
Effect of Alternative Product and Input Weights, Key Years, 1869-1957
(1929 = 100)

	Real Product			Real Input			Total Factor Productivity		
	Changing Weights (1)	Fixed Weights (2)	Ratio (1) ÷ (2) (3)	Changing Weights (4)	Fixed Weights (5)	Ratio (4) ÷ (5) (6)	Changing Weights (7)	Fixed Weights (8)	Ratio (7) ÷ (8) (9)
1869	7.7	8.2	0.939	19.9	20.4	0.975	38.7	40.2	0.963
1879	15.6	16.2	0.965	26.9	27.2	0.989	58.0	59.6	0.973
1889	22.3	23.6	0.946	39.8	40.5	0.983	56.0	58.3	0.961
1899	34.6	36.1	0.959	52.9	53.3	0.992	65.4	67.7	0.966
1909	52.1	54.2	0.961	71.0	71.3	0.996	73.4	76.0	0.966
1919	69.7	69.1	1.008	84.9	84.9	1.000	82.1	81.4	1.009
1929	100.0	100.0	1.000	100.0	100.0	1.000	100.0	100.0	1.000
1937	101.0	102.5	0.985	88.9	89.2	0.997	113.6	114.9	0.989
1948	163.8	163.8	1.000	112.3	112.3	1.000	145.9	145.9	1.000
1953	202.9	200.7	1.011	121.9	123.4	0.988	166.4	162.6	1.023
1957 ^p	225.2	222.3	1.013	125.5	128.3	0.978	179.4	173.3	1.035

^p = preliminary.

TABLE A-XIX
National Economy: Real Net Product, Inputs, and Productivity Ratios,
Kuznets Concept, National Security Version, 1869-1957
(1929 = 100)

	Output (Real Net Product)	Persons Engaged	Output per Person Engaged	Man- hours	Output per Manhour	Labor Input	Output per Unit of Labor Input	Capital Input	Output per Unit of Capital Input	Total Factor Input	Total Factor Produc- tivity	Addendum: Output (Real Gross Product)
1869-78 ^a	10.3	28.2	36.5	30.8	33.4	24.9	41.4	13.9	74.1	21.2	48.6	10.1
1879-88 ^a	19.2	38.7	49.6	42.5	45.2	35.9	53.5	21.3	90.1	31.0	61.9	18.9
1889	21.5	45.4	47.4	50.0	43.0	43.4	49.5	25.5	84.3	37.4	57.5	21.7
1890	23.3	46.9	49.7	51.8	45.0	45.0	51.8	26.6	87.6	38.8	60.1	23.4
1891	24.4	48.1	50.7	53.1	46.0	46.3	52.7	28.1	86.8	40.2	60.7	24.6
1892	26.8	49.5	54.1	54.8	48.9	48.2	55.6	29.9	89.6	42.1	63.7	26.9
1893	25.1	49.4	50.8	54.3	46.2	47.4	53.0	31.4	79.9	42.2	59.5	25.5
1894	24.0	48.4	49.6	52.4	45.8	45.1	53.2	32.4	74.1	41.0	58.5	24.6
1895	27.6	50.8	54.3	55.6	49.6	48.6	56.8	33.7	81.9	43.8	63.0	27.9
1896	26.8	51.1	52.4	55.6	48.2	48.6	55.1	35.0	76.6	44.2	60.6	27.2
1897	29.7	52.6	56.5	57.3	51.8	50.4	58.9	36.1	82.3	45.8	64.8	30.0
1898	30.3	53.3	56.8	57.9	52.3	50.9	59.5	37.4	81.0	46.6	65.0	30.7
1899	33.5	56.4	59.4	62.0	54.0	55.4	60.5	38.7	86.6	50.0	67.0	33.7
1900	34.4	57.3	60.0	62.7	54.9	56.2	61.2	40.4	85.1	51.1	67.3	34.6
1901	38.8	59.7	65.0	65.5	59.2	59.3	65.4	41.8	92.8	53.6	72.4	38.7
1902	38.9	62.3	62.4	68.2	57.0	62.7	62.0	43.6	89.2	56.4	69.0	38.9
1903	41.0	64.1	64.0	70.2	58.4	64.9	63.2	45.4	90.3	58.6	70.0	40.9
1904	40.2	63.9	62.9	69.3	58.0	63.4	63.4	47.0	85.5	58.2	69.1	40.3
1905	43.2	66.8	64.7	72.7	59.4	67.4	64.1	48.4	89.2	61.3	70.5	43.2
1906	48.8	69.5	70.2	75.5	64.6	70.7	69.0	50.4	96.8	64.2	76.0	48.4
1907	49.4	71.1	69.5	77.3	63.9	72.6	68.0	52.6	93.9	66.2	74.6	49.2
1908	43.9	69.5	63.2	74.1	59.2	68.8	63.8	54.5	80.6	64.5	68.1	44.6
1909	50.8	73.1	69.5	78.2	65.0	73.5	69.1	55.7	91.2	67.9	74.8	50.9

(continued)

TABLE A-XIX (continued)

1910	51.1	75.0	68.1	80.3	63.6	76.0	67.2	57.6	88.7	70.2	72.8	51.4
1911	52.3	76.2	68.6	81.9	63.9	77.6	67.4	59.5	87.9	71.9	72.7	52.7
1912	55.2	78.4	70.4	84.5	65.3	80.7	68.4	61.2	90.2	74.6	74.0	55.6
1913	57.9	79.6	72.7	85.1	68.0	81.8	70.8	63.2	91.6	76.0	76.2	58.2
1914	52.2	78.7	66.3	83.7	62.4	79.6	65.6	65.3	79.9	75.3	69.3	53.3
1915	54.0	79.1	68.3	83.1	65.0	79.4	68.0	67.6	79.9	75.9	71.1	55.1
1916	63.9	84.3	75.8	89.0	71.8	86.9	73.5	70.4	90.8	81.8	78.1	64.2
1917	63.3	87.2	72.6	92.0	68.8	90.7	69.8	73.2	86.5	85.3	74.2	64.0
1918	71.7	92.4	77.6	95.5	75.1	95.3	75.2	75.0	95.6	89.0	80.6	72.0
1919	73.8	88.9	83.0	89.7	82.3	88.7	83.2	76.7	96.2	85.1	86.7	74.4
1920	70.6	87.2	81.0	89.1	79.2	87.7	80.5	78.5	89.9	85.0	83.1	71.4
1921	66.6	82.7	80.5	80.5	82.7	78.0	85.4	80.2	83.0	78.7	84.6	67.4
1922	71.1	86.9	81.8	86.2	82.5	84.3	84.3	81.6	87.1	83.5	85.1	71.9
1923	81.9	92.3	88.7	92.9	88.2	92.3	88.7	83.6	98.0	89.7	91.3	81.8
1924	83.3	91.0	91.5	91.0	91.5	89.7	92.9	86.1	96.7	88.6	94.0	83.1
1925	86.3	93.5	92.3	94.3	91.5	93.3	92.5	88.5	97.5	91.9	93.9	86.2
1926	91.8	96.2	95.4	97.5	94.2	97.1	94.5	91.6	100.2	95.5	96.1	91.8
1927	92.7	96.4	96.2	97.1	95.5	97.2	95.4	94.5	98.1	96.4	96.2	92.7
1928	93.8	97.4	96.3	98.1	95.6	97.8	95.9	97.2	96.5	97.6	96.1	94.1
1929	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1930	89.6	95.5	93.8	93.6	95.7	92.7	96.7	102.5	87.4	95.1	94.2	90.6
1931	80.7	89.5	90.2	86.2	93.6	83.7	96.4	103.2	78.2	88.5	91.2	82.4
1932	66.9	82.5	81.1	76.8	87.1	73.3	91.3	101.4	66.0	80.2	83.4	69.8
1933	65.3	83.2	78.5	76.9	84.9	73.5	88.8	98.4	66.4	79.7	81.9	68.2
1934	73.3	89.8	81.6	77.0	95.2	75.2	97.5	95.8	76.5	80.3	91.3	75.5
1935	82.2	92.9	88.5	81.2	101.2	79.8	103.0	94.5	87.0	83.4	98.6	83.2
1936	95.1	98.9	96.2	88.8	107.1	88.5	107.5	94.2	101.0	89.9	105.8	95.3
1937	101.4	101.3	100.1	92.6	109.5	92.0	110.2	95.3	106.4	92.8	109.3	100.9
1938	94.6	97.4	97.1	86.2	109.7	84.9	111.4	95.9	98.6	87.4	108.2	95.0
1939	102.9	100.3	102.6	90.2	114.1	89.7	114.7	95.8	107.4	91.1	113.0	102.7

(continued)

TABLE A-XIX (concluded)
 National Economy: Real Net Product, Inputs, and Productivity Ratios,
 Kuznets Concept, National Security Version, 1869-1957
 (1929 = 100)

	Output (Real Net Product)	Persons Engaged	Output per Person Engaged	Man- hours	Output per Manhour	Labor Input	Output per Unit of Labor Input	Capital Input	Output per Unit of Capital Input	Total Factor Input	Total Factor Productivity	Addendum: Output (Real Gross Product)
1940	110.1	104.2	105.7	93.9	117.3	94.4	116.6	97.2	113.3	95.0	115.9	109.1
1941	134.8	113.6	118.7	103.2	130.6	107.6	125.3	100.5	134.1	106.0	127.2	132.6
1942	152.6	124.0	123.1	114.9	132.8	123.7	123.4	103.2	147.9	119.0	128.2	149.9
1943	171.5	136.2	125.9	129.9	132.0	145.2	118.1	103.3	166.0	135.6	126.5	167.8
1944	183.1	138.7	132.0	133.0	137.7	149.6	122.4	102.1	179.3	138.8	131.9	179.2
1945	181.0	135.2	133.9	124.7	145.1	139.6	129.7	100.5	180.1	130.7	138.5	177.6
1946	163.3	123.7	132.0	109.3	149.4	119.2	137.0	102.6	159.2	115.4	141.5	160.1
1947	160.2	124.5	128.7	108.3	147.9	118.2	135.5	108.9	147.1	116.1	138.0	159.4
1948	163.6	126.5	129.3	108.9	150.2	119.3	137.1	115.6	141.5	118.4	138.2	163.7
1949	161.0	123.3	130.6	105.0	153.3	114.8	140.2	120.5	133.6	115.9	138.9	162.5
1950	178.6	127.1	140.5	107.1	166.8	118.1	151.2	125.0	142.9	119.4	149.6	179.0
1951	191.1	134.8	141.8	112.9	169.3	126.0	151.7	131.0	145.9	126.9	150.6	191.5
1952	198.9	137.1	145.1	114.6	173.6	128.7	154.5	135.3	147.0	130.0	153.0	197.9
1953	205.7	139.1	147.9	115.1	178.7	129.9	158.4	141.6	145.3	132.3	155.5	205.1
1954 ^p	202.3	135.1	149.7	110.7	182.7	124.4	162.6	145.5	139.0	128.7	157.2	203.0
1955 ^p	216.9	138.2	156.9	114.4	189.6	128.5	168.8	149.8	144.8	132.9	163.2	217.0
1956 ^p	221.8	140.8	157.5	116.1	191.0	130.6	169.8	155.1	143.0	135.6	163.6	222.4
1957 ^p	224.3	141.3	158.7	114.9	195.2	129.4	173.3	160.4	139.8	135.9	165.0	225.5

^p = preliminary.
^a Annual average for decade.

THE NATIONAL ECONOMY

TABLE A-XX

National Economy: Real Net Product and Productivity Ratios,
Kuznets Concept, Peacetime Version, Key Years, 1869-1957
(1929 = 100)

	Output (Real Net Product) ^a	Output per Unit of Labor Input	Output per Unit of Capi- tal Input	Total Factor Produc- tivity	Addendum: Output (Real Gross Product) ^a
1869	7.7	34.2	66.0	41.0	7.5
1879	15.5	53.3	89.1	61.8	15.2
1889	21.6	49.8	84.7	57.8	21.7
1899	33.3	60.1	86.0	66.6	33.5
1909	50.7	69.0	91.0	74.7	50.8
1919	68.7	77.5	89.6	80.7	69.8
1929	100.0	100.0	100.0	100.0	100.0
1937	101.3	110.1	106.3	109.2	100.9
1948	155.6	130.4	134.6	131.4	156.5
1953	182.4	140.4	128.8	137.9	184.3
1957 ^p	206.7	159.7	128.9	152.1	209.8

^p = preliminary.

^a This is the series presented by Simon Kuznets, except that no allowance has been made for depreciation of munitions; and an adjustment has been applied to make output indexes comparable with the weighting scheme used in computing input indexes.

TABLE A-XXI
National Economy: Real Net Product and Productivity Ratios, Commerce Concept, Key Years, 1869-1957
(1929 = 100)

YEAR	OUTPUT, REAL NET PRODUCT	OUTPUT PER UNIT OF LABOR INPUT	OUTPUT PER UNIT OF CAPITAL INPUT	FACTOR PRODUC- TIVITY	ADDENDUM				
					Ratio of Gross to Net Product	Ratios of Domestic to National Economy Indexes		Total Input	Factor Productivity (Net Product)
						Net Product	Capital Input		
1869	7.8	35.0	67.7	42.0	98.1	102.3	114.7	103.7	98.6
1879	15.7	54.0	90.2	62.5	98.1	101.3	114.4	104.0	97.4
1889	21.8	50.2	85.5	58.3	101.4	101.8	113.3	103.5	98.5
1899	33.9	61.2	87.6	67.8	100.9	101.5	111.4	103.0	98.5
1909	51.3	69.8	92.1	75.6	100.6	101.0	108.6	102.5	98.4
1919	70.3	79.3	91.7	82.6	101.4	100.0	103.3	101.1	98.9
1929	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1937	104.4	113.5	109.5	112.5	98.9	100.6	102.0	100.4	100.2
1948	167.0	140.0	144.5	141.0	99.5	100.4	101.5	100.4	100.0
1953	209.9	161.6	148.2	158.7	99.3	100.4	101.6	100.4	100.0
1957 ^p	230.1	177.8	143.5	169.3	99.9	100.3	101.7	100.3	100.0

^p = preliminary.

TABLE A-XXII

Private Domestic Economy: Real Gross Product, Inputs, and Productivity Ratios, Commerce Concept, 1869-1957
(1929 = 100)

	Output (Real Gross Product)	Persons Engaged	Output per Person Engaged	Man- hours	Output per Manhour	Labor Input	Output per Unit of Labor Input	Capital Input	Output per Unit of Capital Input	Total Input	Total Factor- Productivity	Addendum: Output (Real Net Product)
1869-78 ^e	10.4	28.9	36.0	31.5	33.0	25.6	40.6	16.6	62.7	22.6	46.0	10.6
1879-88 ^e	19.5	39.7	49.1	43.5	44.8	36.8	53.0	24.8	78.6	33.0	59.1	19.7
1889	22.3	46.6	47.9	51.1	43.6	44.6	50.0	29.8	74.8	39.8	56.0	22.1
1890	24.2	48.1	50.3	53.0	45.7	46.2	52.4	31.1	77.8	41.3	58.6	24.0
1891	25.3	49.4	51.3	54.3	46.6	47.6	53.2	32.8	77.1	42.8	59.1	25.1
1892	27.7	50.8	54.5	56.1	49.4	49.5	56.0	34.8	79.6	44.8	61.8	27.6
1893	26.3	50.6	52.0	55.5	47.4	48.6	54.1	36.6	71.9	44.8	58.7	25.8
1894	25.5	49.5	51.5	53.5	47.7	46.1	55.3	37.7	67.6	43.6	58.5	24.9
1895	28.8	52.1	55.3	56.8	50.7	49.9	57.7	39.2	73.5	46.7	61.7	28.5
1896	28.1	52.4	53.6	56.8	49.5	49.9	56.3	40.6	69.2	47.2	59.5	27.6
1897	31.0	53.9	57.5	58.6	52.9	51.7	60.0	41.7	74.3	48.7	63.7	30.6
1898	31.6	54.4	58.1	58.9	53.7	51.9	60.9	43.1	73.3	49.3	64.1	31.2
1899	34.6	57.7	60.0	63.2	54.7	56.7	61.0	44.4	77.9	52.9	65.4	34.4
1900	35.5	58.6	60.6	63.9	55.6	57.5	61.7	46.1	77.0	54.0	65.7	35.2
1901	39.6	61.0	64.9	66.7	59.4	60.7	65.2	47.6	83.2	56.7	69.8	39.6
1902	39.8	63.7	62.5	69.6	57.2	64.3	61.9	49.3	80.7	59.7	66.7	39.7
1903	41.9	65.6	63.9	71.6	58.5	66.6	62.9	51.3	81.7	61.9	67.7	41.8
1904	41.2	65.3	63.1	70.6	58.4	64.9	63.5	52.8	78.0	61.3	67.2	40.9
1905	44.3	68.4	64.8	74.0	59.9	69.0	64.2	54.2	81.7	67.5	68.8	44.2
1906	49.6	71.1	69.8	77.0	64.4	72.4	68.5	56.3	88.1	67.5	73.5	49.7
1907	50.5	72.7	69.5	78.7	64.2	74.3	68.0	58.6	86.2	69.5	72.7	50.5
1908	46.0	70.8	65.0	75.3	61.1	70.1	65.6	60.4	76.2	67.4	68.2	45.3
1909	52.1	74.5	69.9	79.4	65.6	74.9	69.6	61.8	84.3	71.0	73.4	51.8

(continued)

TABLE A-XXII (continued)
 Private Domestic Economy: Real Gross Product, Inputs, and Productivity Ratios, Commerce Concept, 1869-1957
 (1929 = 100)

	Output (Real Gross Product)	Persons Engaged	Output per Person Engaged	Man- hours	Output per Manhour	Labor Input	Output per Unit of Labor Input	Capital Input	Output per Unit of Capital Input	Total Input	Total Factor Productivity	Addendum: Output (Real Net Product)
1910	52.5	76.4	68.7	81.5	64.4	77.5	67.7	63.7	82.4	73.3	71.6	52.1
1911	54.5	77.5	70.3	83.0	65.7	79.0	69.0	65.7	83.0	75.0	72.7	54.0
1912	57.3	79.8	71.8	85.6	66.9	82.2	69.7	67.3	85.1	77.7	73.7	56.9
1913	59.7	80.9	73.8	86.3	69.2	83.2	71.8	69.4	86.0	79.0	75.6	59.2
1914	54.8	79.8	68.7	84.7	64.7	80.7	67.9	71.5	76.6	78.0	70.3	53.7
1915	56.4	80.1	70.4	83.9	67.2	80.4	70.2	73.2	77.0	78.3	72.0	55.3
1916	65.1	85.5	76.1	90.0	72.3	88.3	73.7	74.4	87.5	84.1	77.4	64.7
1917	63.0	87.0	72.4	91.9	68.6	90.7	69.5	76.3	82.6	86.3	73.0	62.0
1918	67.5	86.8	77.8	91.1	74.1	90.0	75.0	78.4	86.1	86.5	78.0	66.5
1919	69.7	87.0	80.1	88.2	79.0	86.7	80.4	80.3	86.8	84.9	82.1	68.5
1920	70.0	87.4	80.1	89.4	78.3	87.9	79.6	82.0	85.4	86.2	81.2	69.0
1921	67.5	82.7	81.6	80.5	83.8	77.8	86.8	83.2	81.1	79.3	85.1	66.8
1922	71.8	87.2	83.0	86.5	83.0	84.6	84.9	83.8	85.7	84.4	85.1	71.0
1923	82.0	92.9	88.3	93.4	87.8	93.0	88.2	85.5	95.9	90.9	90.2	82.0
1924	83.6	91.3	91.6	91.2	91.7	90.0	92.9	87.7	95.3	89.3	93.6	83.7
1925	86.6	93.7	92.4	94.5	91.6	93.6	92.5	89.8	96.4	92.5	93.6	86.6
1926	92.0	96.4	95.4	97.8	94.1	97.5	94.4	92.7	99.2	96.1	96.1	92.0
1927	93.0	96.5	96.4	97.2	95.7	97.3	95.6	95.4	97.5	96.8	96.1	93.0
1928	93.9	97.4	96.4	98.1	95.7	97.9	95.9	97.7	96.1	97.8	96.0	93.6
1929	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

(continued)

TABLE A-XXII (concluded)

1930	90.8	94.9	95.7	93.1	97.5	91.9	98.8	102.0	89.0	94.3	96.3	90.0
1931	84.0	88.4	98.4	85.4	98.4	82.3	102.1	102.1	82.3	87.1	96.4	83.0
1932	71.8	81.0	88.6	75.6	95.0	71.2	100.8	99.9	71.9	78.1	91.9	70.0
1933	70.0	80.6	86.8	74.9	93.5	70.5	99.3	96.5	72.5	76.7	91.3	68.2
1934	76.9	85.7	89.7	73.6	104.5	70.8	108.6	93.8	82.0	76.3	100.8	75.8
1935	83.8	88.4	94.8	77.6	108.0	74.9	111.9	92.5	90.6	79.1	105.9	83.6
1936	94.5	92.3	102.4	83.4	113.3	82.6	114.4	102.2	102.2	85.0	111.2	94.8
1937	101.0	96.3	104.9	88.6	114.0	87.4	115.6	93.8	107.7	88.9	113.6	101.9
1938	95.4	90.8	105.1	81.0	117.8	79.3	120.3	94.6	100.8	82.8	115.2	95.6
1939	104.1	94.0	110.7	85.2	122.2	84.2	123.6	94.3	110.4	86.6	120.2	105.0
1940	110.2	97.9	112.6	88.9	124.0	88.6	124.4	95.9	114.9	90.3	122.0	111.8
1941	130.4	105.6	123.5	96.9	134.6	99.3	131.3	99.0	131.7	99.3	131.3	132.7
1942	142.6	111.3	128.1	104.4	136.6	108.6	131.3	101.7	140.2	107.1	133.1	144.9
1943	153.1	113.0	135.5	108.2	141.5	114.2	134.1	101.8	150.4	111.5	137.3	155.6
1944	162.8	110.4	147.5	106.7	152.6	112.7	144.5	100.9	161.3	110.1	147.9	165.3
1945	160.4	107.0	149.9	100.9	159.0	106.3	150.9	99.8	160.7	104.9	152.9	162.4
1946	153.5	113.3	135.5	101.7	150.9	107.3	143.1	102.1	150.3	106.2	144.5	156.6
1947	157.4	118.6	132.7	103.9	151.5	110.6	142.3	107.3	146.7	110.0	143.1	158.8
1948	163.8	120.8	135.6	104.5	156.7	111.9	146.4	113.3	144.6	112.3	145.9	164.5
1949	162.9	116.7	139.6	100.1	162.7	106.6	152.8	118.1	137.9	109.1	149.3	162.4
1950	178.7	120.2	148.7	101.9	175.4	109.8	162.8	122.8	145.5	112.6	158.7	179.0
1951	188.5	124.3	151.6	105.1	179.4	114.4	164.8	129.1	146.0	117.5	160.4	188.5
1952	194.0	125.1	155.1	105.7	183.5	115.7	167.7	133.2	145.6	119.4	162.5	195.2
1953	202.9	127.3	159.4	106.3	190.9	117.2	173.1	139.6	146.4	121.9	166.4	203.9
1954 ^p	199.5	123.6	161.4	102.1	195.4	111.8	178.4	143.6	138.9	118.5	168.4	199.3
1955 ^p	217.3	127.0	171.1	106.1	204.8	116.3	186.8	148.0	146.8	122.9	176.8	217.5
1956 ^p	222.6	129.5	171.9	107.8	206.5	118.4	188.0	153.4	145.1	125.7	177.1	222.4
1957 ^p	225.2	129.8	173.5	106.4	211.7	116.9	192.6	158.2	142.4	125.5	179.4	224.4

^a Annual average for decade.

^p = preliminary.

APPENDIX A

TABLE A-XXII: Supplement
Private Domestic Economy: Productivity Ratios Based on Unweighted Inputs, 1869-1957
(1929 = 100)

	Unweighted Capital Input (measured in 1929 prices)	Output per Unit of Unweighted Capital Input	Total Input (weighted average of manhours and un- weighted capital)	Output per Unit of Total Input (weighted average of manhours and un- weighted capital)
1869-78 ^a	16.3	63.8	26.5	39.2
1879-88 ^a	24.8	78.6	37.4	52.1
1889	30.7	72.6	44.5	50.1
1890	32.2	75.2	46.3	52.3
1891	34.0	74.4	47.8	52.9
1892	36.0	76.9	49.6	55.8
1893	37.8	69.6	49.9	52.7
1894	39.1	65.2	49.0	52.0
1895	40.6	70.9	51.8	55.6
1896	42.1	66.7	52.3	53.7
1897	43.4	71.4	53.9	57.5
1898	44.8	70.5	54.6	57.9
1899	46.2	74.9	57.9	59.8
1900	47.7	74.4	58.9	60.3
1901	49.1	80.7	61.3	64.6
1902	50.6	78.7	63.7	62.5
1903	52.4	80.0	65.6	63.9
1904	53.7	76.7	65.4	63.0
1905	55.2	80.3	68.2	65.0
1906	57.4	86.4	71.0	69.9
1907	59.5	84.9	72.8	69.4
1908	61.2	75.2	71.2	64.6
1909	62.6	83.2	74.4	70.0
1910	64.4	81.5	76.4	68.7
1911	66.1	82.5	77.9	70.0
1912	67.5	84.9	80.2	71.4
1913	69.2	86.3	81.2	73.5
1914	71.0	77.2	80.7	67.9
1915	72.5	77.8	80.6	70.0
1916	73.6	88.5	85.1	76.5
1917	75.0	84.0	86.8	72.6
1918	76.3	88.5	86.7	77.9
1919	77.5	89.9	85.1	81.9
1920	78.9	88.7	86.4	81.0
1921	79.8	84.6	80.3	84.1
1922	80.8	88.9	84.9	84.6
1923	82.9	98.9	90.4	90.7
1924	85.5	97.8	89.6	93.3

(continued)

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Table A-XXII: Supplement (concluded)

	Unweighted Capital Input (measured in 1929 Prices)	Output per Unit of Unweighted Capital Input	Total Input (weighted average of manhours and un- weighted capital)	Output per Unit Total of Input (weighted average of manhours and un- weighted capital)
1925	88.2	98.2	92.7	93.4
1926	91.6	100.4	96.0	95.8
1927	94.6	98.3	96.5	96.4
1928	97.5	96.3	97.9	95.9
1929	100.0	100.0	100.0	100.0
1930	101.7	89.3	95.2	95.4
1931	101.9	82.4	89.4	94.0
1932	100.3	71.6	81.5	88.1
1933	97.6	71.7	80.3	87.2
1934	95.2	80.8	78.8	97.6
1935	94.2	89.0	81.6	102.7
1936	94.1	100.4	86.0	109.9
1937	95.3	106.0	90.2	112.0
1938	95.9	99.5	84.4	113.0
1939	96.0	108.4	87.7	118.7
1940	97.3	113.3	90.9	121.2
1941	99.7	130.8	97.6	133.6
1942	101.6	140.4	103.9	137.2
1943	101.6	150.7	106.8	143.4
1944	100.7	161.7	105.5	154.3
1945	99.7	160.9	100.7	159.3
1946	100.9	152.1	101.6	151.1
1947	104.0	151.3	104.0	151.3
1948	108.0	151.7	105.4	155.4
1949	112.2	145.2	102.8	158.5
1950	116.3	153.7	105.0	170.2
1951	121.5	155.1	108.6	173.6
1952	125.8	154.2	110.0	176.4
1953	129.6	156.6	111.3	182.3
1954 ^p	133.0	150.0	108.6	183.7
1955 ^p	137.1	158.5	112.6	193.0
1956 ^p	142.1	156.7	115.0	193.6
1957 ^p	146.5	153.7	114.8	196.2

^a Annual average for decade.

^p = preliminary.

TABLE A-XXIII

Private Domestic Nonfarm Economy: Real Gross Product, Inputs, and Productivity Ratios, Commerce Concept, 1869-1957
(1929 = 100)

	Output (Real Gross Product)	Persons Engaged	Output per Person	Manhours	Output per Manhour	Labor Input	Output per Unit of Labor Input	Capital Input	Output per Unit of Capital Input	Total Factor Input	Total Factor Productivity
1869-78 ^a	6.8	18.5	36.8	23.3	29.2	21.5	31.6	9.6	70.8	17.5	38.9
1879-88 ^a	15.1	27.5	54.9	34.2	44.2	32.2	46.9	16.2	93.2	26.9	56.1
1889	17.3	34.3	50.4	42.1	41.1	39.6	43.7	20.9	82.8	33.5	51.6
1890	19.5	35.9	54.3	44.2	44.1	41.8	46.7	22.2	87.8	35.3	55.2
1891	20.5	37.3	55.0	45.7	44.9	43.2	47.5	24.0	85.4	37.0	55.4
1892	23.6	38.9	60.7	47.8	49.4	45.3	52.1	26.2	90.1	39.1	60.4
1893	22.1	38.4	57.6	46.8	47.2	44.2	50.0	28.3	78.1	39.2	56.4
1894	21.0	36.7	57.2	44.0	47.7	41.3	50.8	29.5	71.2	37.8	55.6
1895	24.3	39.8	61.1	48.0	50.6	45.4	53.5	31.0	78.4	41.0	59.3
1896	22.9	39.9	57.4	47.8	47.9	45.3	50.6	32.4	70.7	41.5	55.2
1897	25.5	41.6	61.3	49.8	51.2	47.3	53.9	33.4	76.3	43.1	59.2
1898	25.8	41.9	61.6	50.0	51.6	47.4	54.4	34.7	74.4	43.7	59.0
1899	29.2	46.0	63.5	55.3	52.8	52.7	55.4	36.0	81.1	47.6	61.3
1900	30.0	46.9	64.0	56.0	53.6	53.5	56.1	37.8	79.4	48.8	61.5
1901	34.8	49.9	69.7	59.5	58.5	57.0	61.1	39.5	88.1	51.7	67.3
1902	35.1	53.1	66.1	63.0	55.7	60.9	57.6	41.2	85.2	54.8	64.1
1903	37.1	55.4	67.0	65.5	56.6	63.4	58.5	43.3	85.7	57.2	64.9
1904	36.1	54.8	65.9	63.9	56.5	61.5	58.7	44.9	80.4	56.6	63.8
1905	39.4	58.6	67.2	68.2	57.8	66.0	59.7	46.3	85.1	60.0	65.7
1906	44.7	61.9	72.2	71.8	62.3	69.7	64.1	48.6	92.0	63.3	70.6
1907	46.3	63.8	72.6	73.8	62.7	71.8	64.5	51.3	90.3	65.7	70.5
1908	41.1	61.2	67.2	69.3	59.3	67.0	61.3	53.3	77.1	63.3	64.9

(continued)

TABLE A-XXIII (continued)

1909	48.1	65.7	73.2	74.4	64.7	72.3	66.5	54.7	87.9	67.3	71.5
1910	48.2	68.0	70.9	76.9	62.7	75.1	64.2	56.7	85.0	70.0	68.9
1911	51.1	69.5	73.5	78.4	65.2	76.6	66.7	58.7	87.1	71.6	71.4
1912	52.4	72.4	72.4	81.4	64.4	80.0	65.5	60.5	86.6	74.6	70.2
1913	56.6	73.8	76.7	82.5	68.6	81.3	69.6	62.9	90.0	76.2	74.3
1914	49.9	72.4	68.9	79.6	62.7	78.1	63.9	65.3	76.4	74.6	66.9
1915	51.0	72.7	70.2	79.2	64.4	78.0	65.4	66.8	75.0	75.0	68.0
1916	62.2	79.5	78.2	87.2	71.3	86.9	71.6	68.3	91.1	81.7	76.1
1917	58.6	81.6	71.8	88.8	66.0	89.3	65.6	70.4	83.2	84.0	69.8
1918	64.8	81.8	79.2	87.5	74.1	88.4	73.3	72.7	89.1	84.1	77.1
1919	67.2	82.2	81.8	84.3	79.7	84.9	79.2	74.9	89.7	82.3	81.7
1920	67.7	82.4	82.2	85.3	79.4	86.0	78.7	77.1	87.8	83.7	80.9
1921	65.6	76.4	85.9	76.2	86.1	75.7	86.7	78.9	83.1	76.5	85.8
1922	69.7	82.4	84.6	83.0	84.0	82.9	84.1	79.9	87.2	82.1	84.9
1923	80.4	90.0	89.3	91.6	87.8	92.2	87.2	82.3	97.7	89.6	89.7
1924	82.7	88.2	93.8	88.5	93.4	88.7	93.2	85.2	97.1	87.8	94.2
1925	85.3	91.4	93.3	92.1	92.6	92.5	92.2	87.8	97.2	91.3	93.4
1926	91.5	95.0	96.3	96.3	95.0	96.8	94.5	91.3	100.2	95.4	95.9
1927	92.2	95.8	96.2	96.7	95.3	97.1	95.0	94.6	97.5	96.4	95.6
1928	93.5	96.9	96.5	97.3	96.1	97.5	95.9	97.2	96.2	97.4	96.0
1929	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1930	90.5	94.1	96.2	91.5	98.9	91.3	99.1	102.5	88.3	93.8	96.5
1931	81.5	85.1	95.8	80.9	100.7	80.6	101.1	102.5	79.5	85.5	95.3
1932	68.5	75.5	90.7	69.4	98.7	68.9	99.4	99.7	68.7	75.7	90.5
1933	66.0	75.2	87.8	68.5	96.4	68.2	96.8	96.0	68.8	74.4	88.7
1934	75.6	82.0	92.2	69.7	108.5	69.4	108.9	93.0	81.0	74.7	101.2
1935	82.2	85.2	96.5	73.8	111.4	73.5	111.8	91.9	89.4	77.6	105.9
1936	94.9	91.1	104.2	82.1	115.6	82.1	115.6	92.0	103.2	84.3	112.6
1937	100.9	97.0	104.0	86.7	116.4	86.7	116.4	93.4	108.0	88.2	114.4
1938	94.1	90.7	103.7	78.8	119.4	78.3	120.2	94.2	99.9	81.8	115.0

(continued)

TABLE A-XXIII (concluded)

Private Domestic Nonfarm Economy: Real Gross Product, Inputs, and Productivity Ratios, Commerce Concept, 1869-1957
(1929 = 100)

	Output (Real Gross Product)	Persons Engaged	Output per Person	Manhours	Output per Manhour	Labor Input	Output per Unit of Labor Input	Capital Input	Output per Unit of Capital Input	Total Factor Input	Total Factor Productivity
1939	103.8	95.4	108.8	84.0	123.6	83.9	123.7	93.8	110.7	86.9	119.4
1940	110.8	101.2	109.5	89.1	124.4	89.1	124.4	95.2	116.4	90.5	122.4
1941	132.3	111.8	118.3	99.8	132.6	101.5	130.3	98.4	134.5	100.2	132.0
1942	145.0	119.4	121.4	108.5	133.6	111.6	129.9	101.1	143.4	109.4	132.5
1943	157.4	121.7	129.3	113.6	138.6	118.2	133.2	100.9	156.0	104.6	150.5
1944	168.2	119.0	141.3	111.9	150.3	116.6	144.3	99.8	168.5	113.1	148.7
1945	166.1	115.1	144.3	106.1	156.6	110.0	151.0	98.7	168.3	107.7	154.2
1946	158.0	122.5	129.0	108.1	146.2	111.6	141.6	101.4	155.8	109.5	144.3
1947	163.0	129.1	126.3	111.9	145.7	115.9	140.6	107.8	151.2	114.3	142.6
1948	169.2	131.9	128.3	113.2	149.5	117.6	143.9	114.6	147.6	117.1	144.5
1949	168.3	127.5	132.0	108.2	155.5	111.9	150.4	119.6	140.7	113.6	148.2
1950	185.8	132.1	140.7	112.2	165.6	116.3	159.8	124.6	149.1	118.1	157.3
1951	197.6	138.2	143.0	117.1	168.7	122.1	161.8	131.4	150.4	124.4	158.8
1952	203.8	140.1	145.5	118.7	171.7	124.0	164.4	135.9	150.0	126.6	161.0
1953	212.8	143.6	148.2	120.7	176.3	126.3	168.5	143.3	148.5	129.9	163.8
1954 ^p	208.3	139.3	149.5	115.8	179.9	120.3	173.2	147.9	140.8	126.2	165.1
1955 ^p	227.0	144.3	157.3	120.6	188.2	125.3	181.2	153.0	148.4	131.1	173.2
1956 ^p	232.8	148.7	156.6	123.4	188.7	128.0	181.9	159.6	145.9	134.6	173.0
1957 ^p	236.2	149.6	157.9	122.8	192.3	126.9	186.1	165.5	142.7	135.0	175.0

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^a Annual average for decade.
^p = preliminary.

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TABLE A-XXIV

Private Domestic Economy, Aggregate of Industry Segments Covered by Output Data:
Output, Inputs, and Productivity Ratios, Key Years, 1869-1953
(1929 = 100)

	Output	Persons Engaged	Output per Person	Manhours	Output per Manhour	Labor Input	Output per Unit of Labor Input
1869	10.9	27.7	39.4	29.4	37.1	24.5	44.5
1879	17.5	36.8	47.6	38.6	45.3	32.2	54.3
1889	26.7	49.8	53.6	53.2	50.2	47.3	56.4
1899	38.1	61.0	62.5	65.3	58.3	59.4	64.1
1909	54.1	77.8	69.5	81.2	66.6	77.9	69.4
1919	68.6	91.7	74.8	92.6	74.1	91.1	75.3
1929	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1937	101.0	95.7	105.5	87.8	115.0	85.4	118.3
1948	169.8	121.7	139.5	107.1	158.5	113.5	149.6
1953	204.0	126.7	161.0	110.3	185.0	119.6	170.6

NOTE: Aggregate indexes are exclusive of finance and services throughout.

TABLE A-XXV

Private Domestic Economy, Aggregate of Industry Segments Covered by Capital Data: Output, Inputs, and Productivity Ratios,
Key Years, 1869-1953
(1929 = 100)

	Output	Persons Engaged	Output per Person	Manhours	Output per Manhour	Labor Input	Output per Unit of Labor Input	Capital Input	Output per Unit of Capital Input	Total Factor Input	Total Factor Productivity
1869	12.1	33.6	36.0	35.3	34.3	28.4	42.6	18.2	66.5	25.4	47.6
1879	18.7	45.0	41.6	46.8	40.0	37.9	49.3	27.2	68.8	34.8	53.7
1889	28.2	58.6	48.1	61.8	45.6	53.1	53.1	38.0	74.1	48.7	57.9
1899	39.8	70.0	56.9	73.7	54.0	65.8	60.5	50.0	79.6	61.2	65.0
1909	54.6	86.9	62.8	91.3	59.8	87.9	62.1	69.5	78.6	82.5	66.2
1919	70.7	101.5	69.7	103.3	68.4	103.9	68.0	93.2	75.9	100.8	70.1
1929	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1937	103.6	96.9	106.9	89.1	116.3	87.1	118.9	88.9	116.5	87.5	118.4
1948	171.9	119.9	143.4	105.3	163.2	111.7	153.9	117.4	146.4	113.0	152.1
1953	204.9	123.8	165.5	107.6	190.4	116.9	175.3	143.2	143.1	122.3	167.5

NOTE: Aggregate indexes are exclusive of trade prior to 1929 and of construction, finance and services, agricultural services, forestry, fisheries, and government enterprises throughout.